

AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pCOH0806348578

1RP - 1799 SOUTHERN UNION GAS COMPANY

Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate a	nd complete to the best of my knowledge and belief.
Name (Print): Rose Slade	
Signature: Koset Curu	Date: 5/1/2013
e-mail address: rose. Slude Genergy transfer.com	Telephond: 4321 940 5147
OCD Approval: Permit Application (including the sure plan) Property Plan (o	only) [] OCD Conditions (see attachment) Approval Date: 6/10/13
OCD Representative Signature: Environmental Specialist	Approval Date: Offort
	CD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of Instructions: Operators are required to obtain an approved closure plan prior to im The closure report is required to be submitted to the division within 60 days of the consection of the form until an approved closure plan has been obtained and the closure	plementing any closure activities and submitting the closure report. ompletion of the closure activities. Please do not complete this
22. Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative If different from approved plan, please explain.	Closure Method
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Instructions: Please indentify the facility or facilities for where the liquids, drilling two facilities were utilized. Disposal Facility Name:	
	sposal Facility Permit Number:
Were the closed-loop system operations and associated activities performed on or in a Yes (If yes, please demonstrate compliance to the items below) No	APPRICED BUT INCEDS 15T
Required for impacted areas which will not be used for future service and operations	4 PAGES OF C-144
☐ Site Reclamation (Photo Documentation) ☐ Soil Backfilling and Cover Installation	
Re-vegetation Application Rates and Seeding Technique	BASINFAX 396-1429
Closure Report Attachment Checklist: Instructions: Each of the following items mark in the box, that the documents are attached.	check
 ☑ Proof of Closure Notice (surface owner and division) ☐ Proof of Deed Notice (required for on-site closure) ☐ Plot Plan (for on-site closures and temporary pits) 	HOBBS OCD
 ☒ Confirmation Sampling Analytical Results (if applicable) ☐ Waste Material Sampling Analytical Results (required for on-site closure) ☒ Disposal Facility Name and Permit Number 	MAY 07 2013
 ∑ Soil Backfilling and Cover Installation □ Re-vegetation Application Rates and Seeding Technique 	RECEIVED
X Site Reclamation (Photo Documentation)	
On-site Closure Location: Latitude Longitude	NAD: □1927 □ 1983
25. Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report belief. I also certify that the closure complies with all applicable closure requirements	
Name (Print): Rose Slade	Title: EH&S Specialist Energy Transfer
Signature: Sold Sold Sold Sold Sold Sold Sold Sold	Date: 5/7/2013
e-mail address: Rose.Slade@energytransfer.com	Telephone: 432-940-5147

Basin Environmental Service Technologies, LLC

3100 Plains Highway P. O. Box 301 Lovington, New Mexico 88260 jwlowry@basinenv.com

Office: (575) 396-2378

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HOBBS OCD

MAY 07 2013

REMEDIATION SUMMARY & RISK-BASED SITE CLOSURE REQUEST

RECEIVED

SOUTHERN UNION GAS SERVICES **EUMONT TANK BATTERY (1RP-1799)** HISTORICAL RELEASE SITE

Lea County, New Mexico Unit Letter "N" (SE/SW), Section 30, Township 20 South, Range 37 East Latitude 32.538508° North, Longitude -103.294912° West NMOCD Reference # 1RP-1799

Prepared For:

Southern Union Gas Services 801 S. Loop 464 Monahans, TX 79756

Prepared By: Basin Environmental Service Technologies, LLC 3100 Plains Highway Lovington, New Mexico 88260

April 2013

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1.0 INTRODUCTION & BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Southern Union Gas Services (Southern Union), has prepared this *Remediation Summary & Risk-Based Site Closure Request* for the Eumont Tank Battery Historical Release Site (1RP-1799). The legal description of the release site is Unit Letter "N" (SE/SW), Section 30, Township 20 South, Range 37 East, in Lea County, New Mexico. The geographic coordinates of the release site are 32.538508° North latitude and -103.294912° West longitude. The property affected by the release is owned Enterprise Field Services.

On February 15, 2008, Southern Union filed a "Pit or Below-Grade Tank Registration of Closure Form" (Form C-144) with the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office, registering the Eumont Tank Battery and notifying them of their intentions to remove the on-site below-grade tank (BGT) and remediate the area. The Form C-144 described the BGT as a steel, one hundred barrel (100 bbl) tank used to contain produced water and crude oil. The C-144 indicated the tank was installed by El Paso Natural Gas (EPNG) before the BGT regulations were written.

On February 18, 2008, the BGT was removed and the adjacent soil was remediated. Nine (9) soil samples (A Floor, B Floor, C Floor, D Floor, E Floor, North Wall, South Wall, East Wall and West Wall) were collected from the excavated area defined by the former BGT location and submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated TPH concentrations were less than the appropriate laboratory method detection limit (MDL) for each of the submitted soil samples with the exception of soil sample East Wall, which had a concentration of 126.8 mg/Kg. Soil sample E Floor was also analyzed for BTEX and chloride concentrations, which were determined to be 0.0167 mg/Kg and 429 mg/Kg, respectively. During the on-site tank removal and associated remediation activities a historical "pit" was discovered west of the BGT location. Four (4) initial soil samples (Pit Surface, Pit 2' bgs, Pit 8' bgs, and Pit 9'6" bgs) were collected from the historical pit and submitted to the laboratory for analysis of TPH concentrations. Analytical results indicated TPH concentrations ranged from 555 mg/Kg for soil sample Pit 2' bgs to 65,600 mg/Kg for soil sample Pit Surface. Based on laboratory analytical results from initial soil samples collected from the on-site pit, it was determined that further remediation would be required. General photographs of the release site are provided as Appendix A. The Form C-144 is provided as Appendix D.

2.0 NMOCD SITE CLASSIFICATION

The initial C-144 that the depth to groundwater is approximately seventy-four feet (74') below ground surface (bgs). Laboratory analytical results from soil samples collected during the advancement of on-site soil bores indicate the soil impact extends to approximately thirty-five feet (35') bgs. Based on the NMOCD ranking system, twenty (20) points will be assigned to the site as a result of this criterion.

A search of the New Mexico Water Rights Reporting System (NMWRRS) database indicated there are no registered water wells within one thousand feet (1,000') feet of the location. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

There are no surface water bodies within one thousand feet (1,000') of the location. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of this criterion.

NMOCD guidelines indicate the Eumont Tank Battery Historical Release Site has an initial ranking score of twenty (20) points. The soil remediation levels for a site with a ranking score of greater than nineteen (>19) points are as follows:

- Benzene 10 mg/Kg (ppm)
- Benzene, toluene, ethylbenzene and xylene (BTEX) 50 mg/Kg (ppm)
- Total petroleum hydrocarbons (TPH) 100 mg/Kg (ppm)

The New Mexico Administrative Code (NMAC) does not currently specify a remediation level for chloride concentrations in soil. Chloride remediation levels are set by the NMOCD on a site-specific basis.

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On August 22, 2012, Basin responded to the Eumont Tank Battery Historical Remediation Site. A series of test trenches were advanced within the area defined by the historical "pit". Test trench TT-1 was advanced to approximately 16' bgs within the inferred center of the pit location. During the advancement of the test trench, soil samples were collected at 3' 10' and 16' bgs and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Analytical results indicated BTEX concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples with the exception of the soil sample collected at 16' bgs, which had a concentration of 0.04161 mg/Kg. TPH concentrations ranged from 1,050 mg/Kg for soil sample TT-1 @ 3' to 7,180 mg/Kg for soil sample TT-1 @ 10'. Chloride concentrations ranged from 1.46 mg/Kg for soil sample TT-1 @ 3' to 12.9 mg/Kg for soil sample TT-1 @ 10'. Based on laboratory analytical results, it was determine that the advancement of one or more soil bores would be necessary to determine the vertical extent of soil impact. Table 1 summarizes the "Concentrations of Benzene, BTEX, TPH & Chloride in Soil". Soil sample locations are depicted in Figure 2, "Site & Sample Location Map". Laboratory analytical reports are provided as Appendix C.

Test trench TT-2 was advanced near the inferred western margin of the historical pit. During the advancement of the test trench, two (2) soil samples (TT-2 West and TT-2 East) were collected at 6' bgs from the western and eastern portion of the trench and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Analytical results indicated BTEX concentrations were less than the laboratory MDL for each of the submitted soil samples. TPH concentrations ranged from less than the laboratory MDL for soil sample TT-2 West to 29,200 mg/Kg for soil sample TT-2 East. Chloride concentrations ranged from 8.9 mg/Kg for soil sample TT-2 East to 10.8 mg/Kg for soil sample TT-2 West. Based on field observation and laboratory analytical results, it was determined that the western margin of the impacted area had been discovered.

Test trench TT-3 was advanced to the north of the inferred pit location from an area thought to have been impacted by overflow from the pit. During the advancement of the test trench, one (1) soil sample was collected at 8' bgs and submitted to the laboratory for analysis of BTEX, TPH

and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL. The chloride concentration was 135 mg/Kg.

Test trench TT-4 was advanced along the southern margin of the inferred pit location. During the advancement of the test trench, one (1) soil sample was collected at 7' bgs and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL. The chloride concentration was 7.48 mg/Kg.

On February 25, 2013, two (2) soil bores were advanced at the location in an effort to determine the vertical extent of soil impact. Soil bore SB-1 was advanced to approximately 40' bgs in the eastern portion of the inferred pit location. During the advancement of the soil bore, soil samples were collected at 5' drilling intervals and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from 46,200 mg/Kg for the soil sample collected at 5' bgs to less than the appropriate laboratory MDL for the soil samples collected at 35' and 40' bgs. Chloride concentrations ranged from 1,390 mg/Kg for the soil sample collected at 10' bgs to 9.72 mg/Kg for the soil sample collected at 30' bgs. Soil samples collected at 20', 30', and 40' bgs were also analyzed for concentrations of BTEX, which were determined to be less than the appropriate laboratory MDL for each of the submitted soil samples with the exception of SB-1 @ 20' bgs, which had a concentration of 1.27 mg/Kg. Based on laboratory analytical results it was determine that soil impact did not extend past 35' bgs in the western portion of the historical pit in the area defined by soil bore SB-1.

Soil bore SB-2 was advanced to approximately 40' bgs in the western portion of the inferred pit location. During the advancement of the soil bore, soil samples were collected at 5' drilling intervals and submitted to the laboratory for analysis of TPH and chloride concentrations. Laboratory analytical results indicated TPH concentrations ranged from 5,240 mg/Kg for the soil sample collected at 5' bgs to less than the appropriate laboratory MDL for the soil samples collected at 35' and 40' bgs. Chloride concentrations ranged from 1,770 mg/Kg for the soil sample collected at 20' bgs to 16.2 mg/Kg for the soil sample collected at 5' bgs. Soil samples collected at 20', 30', and 40' bgs were also analyzed for concentrations of BTEX, which were determined to be less than the appropriate laboratory MDL for each of the submitted soil samples. Based on laboratory analytical results it was determine that soil impact did not extend past 35' bgs in the eastern portion of the historical pit in the area defined by soil bore SB-2.

On March 5, 2013, Basin began excavation activities at the remediation site. The floor of the excavation was advanced to approximately 15' bgs. Excavation sidewalls were advanced until field tests suggested concentrations of BTEX, TPH and chloride were less than NMOCD regulatory standards. Excavated material was stockpiled on-site pending final disposition.

On March 13, 2013, Basin collected thirteen (13) soil samples (Main Exc. NW#1, Main Exc. NW#2, Main Exc. SW#1, Main Exc. SW#2, Main Exc. SW#3, Main Exc. WW#1, Main Exc. WW#1, Main Exc. WW#2, Main Exc. EW#3, NW Exc. WW, NW Exc. EW and NW Exc. Floor) were collected and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples. TPH concentrations ranged from less than the appropriate laboratory MDL for soil samples Main Exc.

NW#1, Main Exc. NW#2, Main Exc. SW#1, Main Exc. WW#1, Main Exc. WW#2, Main Exc. EW#3 and NW Exc. Floor to 68.1 mg/Kg for soil sample Main Exc. SW#3. Chloride concentrations ranged from less than the appropriate laboratory MDL for soil samples Main Exc. NW #1 and Main Exc. WW#2 to 183 mg/Kg for soil sample Main Exc. SW#1. Laboratory analytical results indicated BTEX, TPH and chloride concentrations were below NMOCD regulatory standards in each of the submitted soil samples.

On March 18, 2013, one (1) addition soil samples (NW Exc. NW) was collected from the excavation and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL. The chloride concentration was 17.6 mg/Kg. Laboratory analytical results indicated BTEX, TPH and chloride concentrations were below NMOCD regulatory standards.

On March 22, 2013, at the request of the NMOCD, a portion of the excavation defined by test trench TT-1 and soil bore SB-1 was advanced an additional five feet (5') in an effort to remove additional contamination.

Between November 26, 2012, and February 1, 2013, approximately 3,324 cubic yards of impacted material was transported to South Monument Surface Waste Facility (NMOCD Permit #NM-01-0032) and/or Sundance Services, Inc. (NMOCD Permit #NM-01-0003), for disposal. The final dimensions of the excavation were approximately 115' in length, 35' in width and 15' in depth. Copies of disposal manifests are provided as Appendix B.

On March 25, 2013, on receiving approval from an NMOCD representative, a 20-millimeter polyurethane liner was installed in the floor of the excavation at approximately fifteen feet (15') bgs. A one-foot (1') layer of pad sand was installed above and below the liner to maintain its integrity during backfilling activities. This engineering control was designed to inhibit the vertical migration of contaminants left in place. Upon installation of the liner, the excavation was backfilled with locally purchased, non-impacted material. Excavation backfill was compacted in lifts and contoured to match the surrounding topography. The location will be reseeded at a time more conducive to germination.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil samples were delivered to Permian Basin Environmental Lab LP, of Midland, Texas, for BTEX, TPH, and/or chloride analyses using the methods described below:

- BTEX concentrations in accordance with EPA Method SW-846 8021b
- TPH concentrations in accordance with modified EPA Method SW-846 8015M
- Chloride concentrations in accordance with EPA Method 300.0

4.2 Decontamination of Equipment

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use, and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

4.3 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody form(s). These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SITE CLOSURE REQUEST

Laboratory analytical results from confirmation soil samples collected from the sidewalls of the Eumont Tank Battery excavation indicated concentrations of benzene, BTEX, TPH and chloride were less than NMOCD regulatory standards. An approved 20-mil polyurethane liner was installed in the floor of the excavation at approximately fifteen feet (15') bgs. This engineering control is designed to inhibit the vertical migration of contaminants left in-situ. Based on these laboratory analytical results and the installation of an approved engineering control, Basin recommends Southern Union provide the NMOCD Hobbs District Office a copy of this Remediation Summary & Risk-Based Site Closure Request and request the NMOCD grant site closure to the Eumont Tank Battery Historical Release Site.

6.0 LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this *Remediation Summary & Risk-Based Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Basin has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Basin has not conducted an independent examination of the facts contained in referenced materials and statements. Basin has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Basin has prepared this report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Southern Union Gas Services. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or Southern Union Gas Services.

7.0 DISTRIBUTION

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New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division (District 1)

1625 French Drive Hobbs, NM 88240

GeoffreyR.Leking@state.nm.us

Copy 2: Rose Slade

Southern Union Gas Services

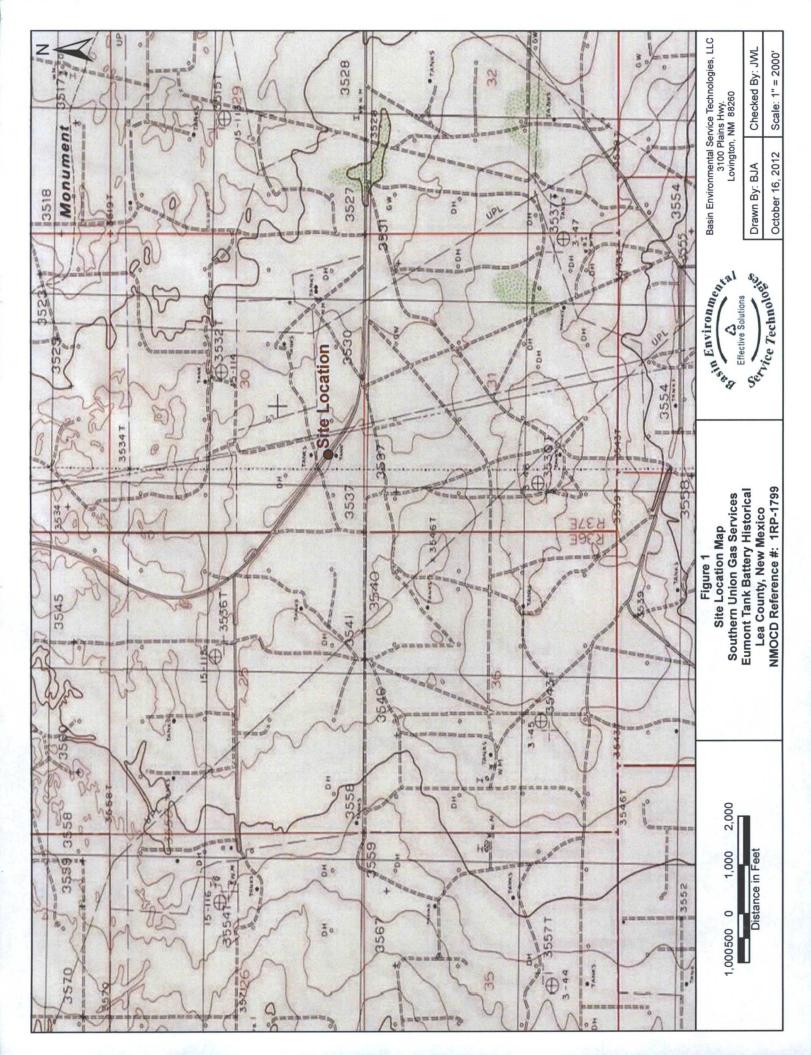
801 S. Loop 464

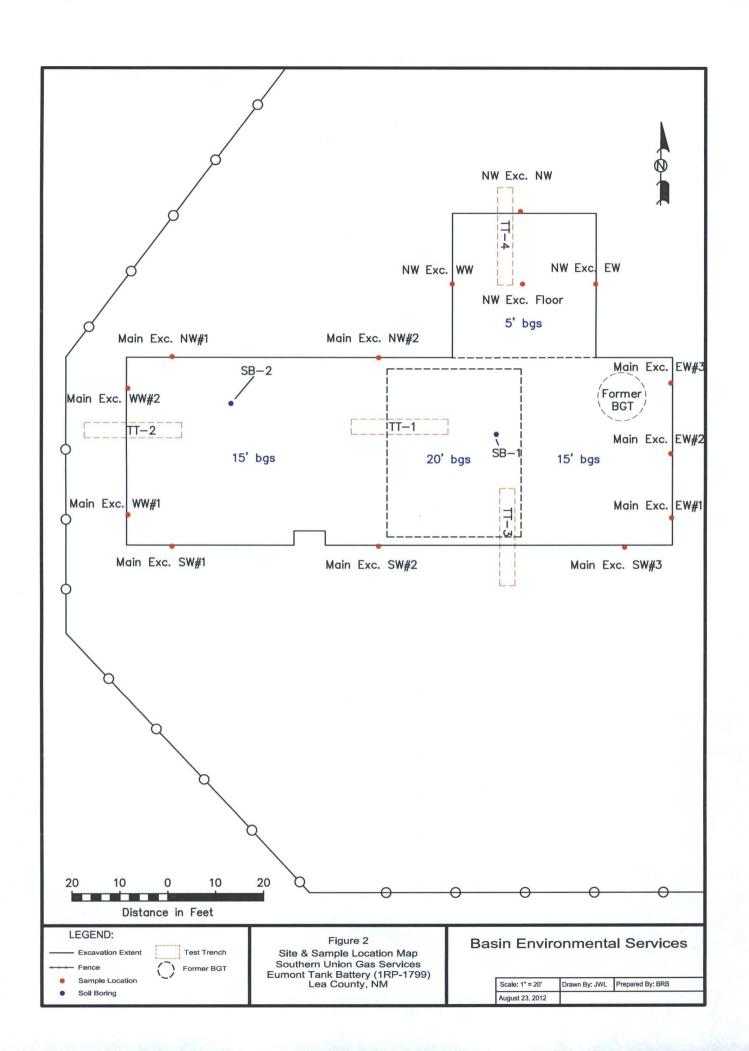
Monahans, Texas 79756 rose.slade@sug.com

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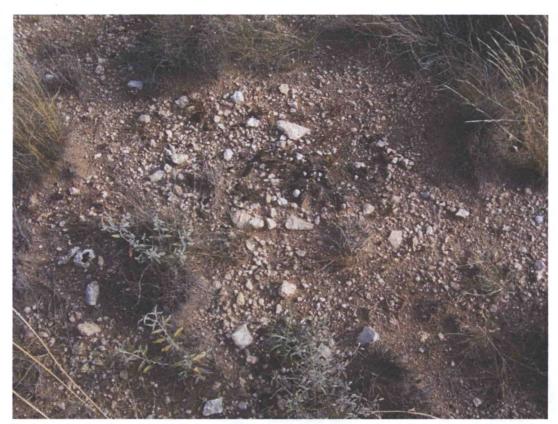
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

				Ø	SOUTHERN UNION GAS SERVICES EUMONT TANK BATTERY HISTORICAL RELEASE SITE LEA COUNTY, NEW MEXICO NMOCD REF# 1RP-1799	UTHERN UNION GAS SERVIC EUMONT TANK BATTERY HISTORICAL RELEASE SITE LEA COUNTY, NEW MEXICO NMOCD REF# 1RP-1799	WICES WATE CO						
					METHOD: EF	METHOD: EPA SW 846-8021B, 5030	21B, 5030		MET	METHOD: 8015M	W	TOTAL	METHOD: E300.0
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE	SOIL	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₈ (mg/Kg)	TPH C _g -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)
900	N/A	2/19/2008	In-Situ	,	,	,	,	,	<16.4	<16.4	<16.4	<16.4	
oor	N/A	2/19/2008	In-Situ		,	,	,	,	<16.1	<16.1	<16.1	<16.1	
loor	N/A	2/19/2008	In-Situ		,			,	<15.8	<15.8	<15.8	<15.8	
loor	N/A	2/19/2008	In-Situ						<16.2	<16.2	<16.2	<16.2	
loor	N/A	2/19/2008	In-Situ	<0.0011	<0.0023	0.0038	0.0072	0.0167	<17.2	<17.2	<17.2	<17.2	429
th Wall	N/A	2/19/2008	In-Situ			,		,	<16.9	<16.9	<16.9	<16.9	
ith Wall	N/A	2/19/2008	In-Situ			,		,	<16.5	<16.5	<16.5	<16.5	
t Wall	N/A	2/19/2008	In-Situ			,		,	16.8	110	<15.8	126.8	
st Wall	N/A	2/19/2008	In-Situ						<16.7	<16.7	<16.7	<16.7	
	The state of the s		The state of the s								Salara Salara		
Surface	Surface	2/19/2008	In-Situ					,	2,800	52,800	10,000	65,600	
2' BGS	2,	2/19/2008	In-Situ		,			,	<15.8	386	169	555	
8 BGS	ão	2/19/2008	In-Situ		1	1	,	,	1,240	13,700	1,700	16,640	
9'6" BGS	9.5	2/19/2008	In-Situ	<0.0054	0.0608	0.1709	0.8817	1.1134	497	2,990	294	3,781	42.0
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1@3'	ŝ	8/22/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<15.3	725	324	1,050	1.46
1 @ 10'	10,	8/22/2012	In-Situ	<0.0200	<0.0400	<0.0200	<0.0400	<0.0400	731	5,480	971	7,180	12.9
1 @ 16′	16'	8/22/2012	In-Situ	<0.00100	<0.00200	0.00641	0.0352	0.04161	149	3,220	625	3,990	7.6
2 West	9	8/22/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<15.8	<15.8	<15.8	<15.8	10.8
2 East	-90	8/22/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	361	24,900	3,870	29,200	8.90
3 @ 8'	85	8/22/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<15.6	<15.6	<15.6	<15.6	135
4@7	7.	8/22/2012	In-Situ	<0.00100	<0.00200	<0.00100	<0.00200	<0.00200	<15.5	<15.5	<15.5	<15.5	7.48
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1@5'	2,	2/25/2013	2/25/2013 Excavated						1,850	40,000	4,360	46,200	94.3
1 @ 10'	10,	2/25/2013	Excavated					,	594	6,760	592	7,950	1,390
1 @ 15'	15'	2/25/2013	In-Situ		,	,	1	,	740	4,260	298	5,300	21.0
1 @ 20	20,	2/25/2013	In-Situ	0.00945	0.0143	0.354	0.888	1.27	374	6,140	976	7,090	11.5
1 @ 25'	25'	2/25/2013	In-Situ		,	,			28.5	767	8.89	864	13.7
1 @ 30'	30,	2/25/2013	In-Situ	<0.00106	<0.00213	<0.00106	<0.00213	<0.00213	<16.0	120	<16.0	120	9.72
1 @ 35'	35,	2/25/2013	In-Situ						<15.8	<15.8	<15.8	<15.8	20.2
107	101	010010010	In City	100000	00000	100000	000000	000000	715.0	745.0	14E B	745.0	101

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

SOUTHERN UNION GAS SERVICES
EUMONT TANK BATTERY
HISTORICAL RELEASE SITE
LEA COUNTY, NEW MEXICO

					LEA COUNT	LEA COUNTY, NEW MEXICO NMOCD REF# 1RP-1799	0.						
					METHOD: EF	METHOD: EPA SW 846-8021B, 5030	21B, 5030		MET	METHOD: 8015M	W	TOTAL	METHOD: E300.0
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE	SOIL	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₈ (mg/Kg)	CHLORIDE (mg/Kg)
			STATE OF THE PARTY OF			A DOMESTICAL DESIGNATION OF THE PERSON OF TH	THE PERSON NAMED IN	STATE OF STA				No. of Concession, Name of Street, or other Persons and Street, or other P	(中部の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の
@ 5;	5,	2/25/2013	Excavated						157	4,630	456	5,240	16.2
@ 10,	10,	2/25/2013	Excavated		,			,	<17.1	154	<17.1	154	35.7
@ 15'	15'	2/25/2013	In-Situ	,	,				<16.8	21.8	<16.8	21.8	1,030
@ 20,	20,	2/25/2013	In-Situ	<0.00110	<0.00221	<0.00110	<0.00221	<0.00221	<16.5	27.4	<16.5	27.4	1,770
@ 25'	25'	2/25/2013	In-Situ						<16.3	103	<16.3	103	1,340
@ 30,	30,	2/25/2013	In-Situ	<0.00106	<0.00212	<0.00106	<0.00212	<0.00212	<15.9	24.6	<15.9	24.6	517
@ 35'	35'	2/25/2013	In-Situ						<15.5	<15.5	<15.5	<15.5	211
@ 40'	40,	2/25/2013	In-Situ	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<15.4	<15.4	<15.4	<15.4	109
			The Control of the Co	THE REAL PROPERTY.								ACCOUNT AND A	The state of the s
Exc. NW#1	12'	3/13/2013	In-Situ	<0.00104	<0.00208	<0.00104	<0.00208	<0.00208	<15.6	<15.6	<15.6	<15.6	<4.17
Exc. NW#2	12.	3/13/2013	In-Situ	<0.00109	<0.00218	<0.00109	<0.00218	<0.00218	<16.4	<16.4	<16.4	<16.4	156
Exc. SW#1	12'	3/13/2013	In-Situ	<0.00110	<0.00221	<0.00110	<0.00221	<0.00221	<16.5	<16.5	<16.5	<16.5	183
Exc. SW#2	12'	3/13/2013	In-Situ	<0.00116	<0.00231	<0.00116	<0.00231	<0.00231	<17.4	19.7	<17.4	19.7	77.9
Exc. SW#3	12'	3/13/2013	In-Situ	<0.00106	<0.00212	<0.00106	<0.00212	<0.00212	<16.0	68.1	<16.0	68.1	23.1
Exc. WW#1	12'	3/13/2013	In-Situ	<0.00109	<0.00218	<0.00109	<0.00218	<0.00218	<16.3	<16.3	<16.3	<16.3	11.0
Exc. WW#2	12,	3/13/2013	In-Situ	<0.00108	<0.00215	<0.00108	<0.00215	<0.00215	<16.3	<16.3	<16.3	<16.3	<4.35
Exc. EW#1	12'	3/13/2013	In-Situ	<0.00107	<0.00214	<0.00107	<0.00214	<0.00214	<16.2	28.1	<16.2	28.1	59.6
Exc.EW#2	12,	3/13/2013	In-Situ	<0.00111	<0.00222	<0.00111	<0.00222	<0.00222	<16.7	25.4	<16.7	25.4	42.7
Exc. EW#3	12'	3/13/2013	In-Situ	<0.00111	<0.00222	<0.00111	<0.00222	<0.00222	<16.6	<16.6	<16.6	<16.6	104
Exc. WW	3	3/13/2013	In-Situ	<0.00108	<0.00216	<0.00108	<0.00216	<0.00216	<16.2	24.6	<16.2	24.6	14.1
Exc. EW	3,	3/13/2013	In-Situ	<0.00114	<0.00228	<0.00114	<0.00228	<0.00228	<17.3	17.5	<17.3	17.5	62.7
Exc. Floor	5'	3/13/2013	In-Situ	<0.00107	<0.00214	<0.00107	<0.00214	<0.00214	<16.1	<16.1	<16.1	<16.1	12.0
		のないのである	AND DESCRIPTION	No. of Concession, Name of Street, or other Persons and Street, or other P		THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO PERSONS IN COLUMN TWO PE	Contract Contract						
Exc. NW	3.	3/18/2013	In-Situ	<0.00105	<0.00210	<0.00105	<0.00210	<0.00210	<15.9	<15.9	<15.9	<15.9	17.6
			THE STREET	The state of the s	The state of the state of	AND DESCRIPTION OF THE PERSON							



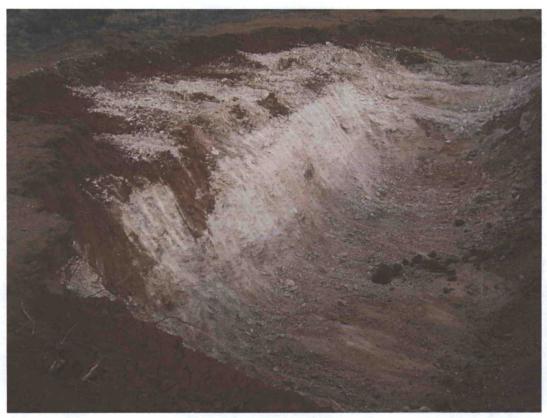
Photograph of surface staining from the historical pit at the Eumont Tank Battery Remediation Site.



Photograph of the advancement of soil bores at the Eumont Tank Battery Remediation Site.



Photograph of delineation activities at the Eumont Tank Battery Remediation Site.



Photograph of excavation activities at the Eumont Tank Battery Remediation Site.



Photograph of excavation activities at the Eumont Tank Battery Remediation Site.



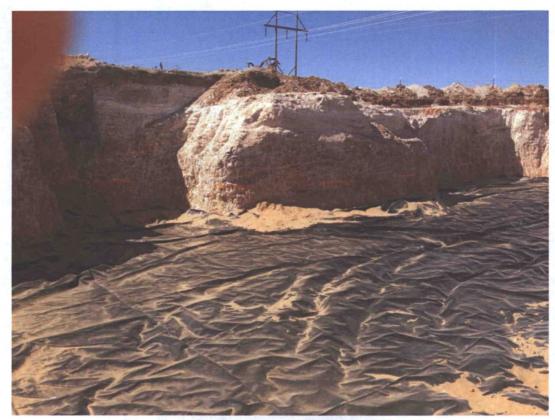
Photograph of the complete excavation at the Eumont Tank Battery Remediation Site.



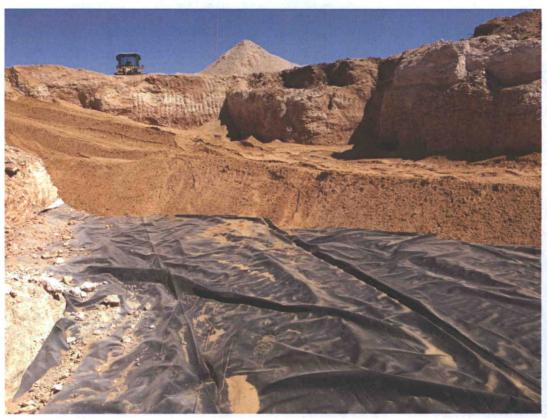
Photograph of the complete excavation at the Eumont Tank Battery Remediation Site.



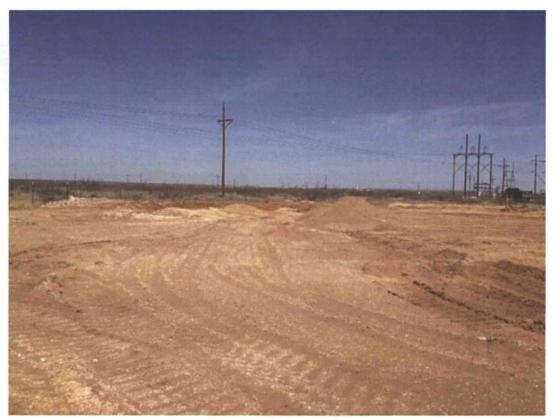
Photograph of the installation of pad sand at the Eumont Tank Battery Remediation Site.



Photograph of the installation of the polyurethane liner at the Eumont Tank Battery Remediation Site.



Photograph of backfilling activities at the Eumont Tank Battery Remediation Site.



Photograph of backfilling activities at the Eumont Tank Battery Remediation Site.



Photograph of the Eumont Tank Battery after Remediation activities.

VICES, Inc. TICKET No. 23886.	9	ank Statien	TIME 3:	NOCHAMER WAS YOUNG	TYPE OF MATERIAL	[] Drilling Fluids [] Rinsate	1 Contaminated Soll Let Out	[] BS&W Content: [] Call Out	dlo	C-1334	: (JYARD : 1.1
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY:	LEASE NAME: CLINICITY	DATE: X VEHICLE NO:	CHARGE TO:		[] Production Water	[] Tank Bottoms	[] Solids	Description:	RRC or API #	VOLUME OF MATERIAL [] BBLS.

MW/M

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKE, OPERATORSHIPPER REPRESENTS AND WARBANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPTERAN THE RESOURCE, CONSERVATION AND RECOVERY ACTO FOYS, AS AMBLED FROM TIME TO TIME, 40 U.S.C., 56901, et seq., THE MM HEALTH AND SAF, CODE § 361, DOI et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WAITERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT ON PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL BURBGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INCS ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY POPERATORISHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INCS FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above transporter loaded the material represented by this Transporter Statement at the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:
FACILITY REPRESENTATIVE:
GOORGING
White-Sundance Acct #1

Pink - Transporter

TIME S. S. AMPM 238861 [] Jet Out [] Call Out [] Rinsate TICKET No. C-133# GENERATOR COMPANY MAN'S NAME! [] Contaminated Soil I I YARD TYPE OF MATERIAL [] BS&W Content: [] Drilling Fluids SUNDANCE SERVICES, Inc. P.O. Box 1737 Eunice, New Mexico 88231 (575) 394-2511 VEHICLE NO: [] Production Water LEASE OPERATOR/SHIPPER/COMPANY: [] Tank Bottoms []8815. [] Solids TRANSPORTER COMPANY: VOLUME OF MATERIAL Description LEASE NAME: CHARGE TO: RRC or API # DATE

AS A CONDITION TO SUNDANCE SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKE, OPERATORISHPER REPRESENTS AND WHERMANTS THAT HER WASTER MATERIALS, HERPED HERBWITH IS MATERIAL ENDEPED HERBWITH IS MATERIAL ENDEPED HERBWITH TO TIME, a OULSE, 2 6900, HER ME, THE MIN HEALTH AND SAF, CODE 8 561, 501 et seq., AND REGULATIONS RELATED THERE, DE VIRTUE OF THE EXEMPTION AFFORDED DIRLING FULLOS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH HE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL BURGO.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER. REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL. DELIVERED BY OPERATOR/SHIPPET TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

FACULTY REPRESENTATIVE:

FACULTY REPRESENTATIVE:

FOUNDATION CONDUCTOR CONDU

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TICKET No.

238860

2 AM/PM TIME GENERATOR COMPANY MAN'S NAME TYPE OF MATERIAL VEHICLE NO: LEASE OPERATOR/SHIPPER/COMPANY: TRANSPORTER COMPANY: DATE: % LEASE NAME: CHARGE TO:

[] Contaminated Soil [] BS&W Content: [] Drilling Fluids [] Production Water [] Tank Bottoms [] Solids Description RRC or API #

[] Call Out [] Rinsate [] Jet Out

C-133#

[188LS VOLUME OF MATERIAL

I YARD

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TROCK; DEPARADESHIPPER REPRESENTS AND WARRANIST SHAPE THE WASTE MATERIAL SHIPPED HERWITH IS MATERIAL EXLEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERNACT OF 190S, AS AMENDED FROM THE TO TIME, 40 LISC.'S 6001, et seq., THE MAY HEALTH AND SAF, CODE 5 361, DOI of seq., AND RECOULDIONS RELATED THERETO, BY NATURE OF THE EXEMPTION AFFORDED DRILLING FULUDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEFLICIONER FULLING FULLING FULLING FOR COLOR OF THE EXPLORATION, DEFLICIONER FULLING FULL GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDAME SERVICES, INCS ACCEPTANCE OF THE MATERALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WIRMSANTS THIS ONLY THE MATERIAL DELIVERED BY POERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INCS. FACILITY FOR DISPOSAL

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described Inspection, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

FACILITY REPRESENTATIVE:

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

SUNDANCE SERVICES, Inc.

TICKET No.

P.O. Box 1737 Eunice, New Mexico 88237 (575) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY:

TRANSPORTER COMPANY: LEASE NAME:

A AMPM

TIME

VEHICLE NO:

GENERATOR COMPANY MAN'S NAME:

CHARGE TO:

[] Contaminated Soil TYPE OF MATERIAL [] Drilling Fluids [] Production Water [] Tank Bottoms

[] Call Out [] Jet Out [] Rinsate

[] BS&W Content:

[] Solids

Description RRC or API# [] YARD

C-133#

[]8815. VOLUME OF MATERIAL AS A CONDITION TO SUNDANCE SERVICES, INC.5 ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPED HEREWITH IS MATERIAL EXAMPTERIAL SHIPPED HEREWITH IS MATERIAL EXAMPTERIAL PROBLEM. THE RESOURCE, CONSERVATION AND SECONER ACT OF 1976, AS ARBINDED FROM TIME TO TIME 40 ULS.C. § 6601, AT EACH THE MAINT DAYS.C.C.OCE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY WITH UP OF THE EXPLORATION AFFORDED PRILING, PRODUCTION OF CRUDE OIL, OR NATURAL GAS OR ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICES, INCS ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY DOCRATIONS-SHIPPET ID TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INCS FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described loading, and that it was rendered by the above described shaper. This wall certify that no additional materials were added to this load, and that the material was delevered without incident.

DRIVER:

FACILITY REPRESENTATIVE:

Canary - Sundance Acct #1 White - Sundance

Pink - Transporter

TICKET No. 238842	TIME TO THE TO T	[] finsate [] Jet Out [] Call Out C-1334	0 : 0
VICES, Inc.	manay J	TYPE OF MATERIAL 1 I Drilling Fluids 1. I Contaminated Soil 1 I BSSW Content:	: LI YARD
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY: LEASE NAME. TRANSPORTER COMPANY: DATE. CHARGE TO:	[] Production Water [] Tank Bottoms [] Solids [Description.	VOLUME OF MATERIAL [] BBLS.

M/PM

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, CPERATORSHEPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHEPED HERBWITH IS MATERIAL EXHEPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. 5 6001, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION A FFORCED POBLLING, PRODUCED WAITERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER. REPRESENTS. AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATION/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S PROLITY POR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

incident.		The same	Pink -Transporter	oSupermarket.com
it the material was delivered without		AUTHOR.	Canary - Sundance Acct #1	Ne weder from TOTALLY SHARP AUPERTISING - 432-586-5401 - wowe PromoSupermarket.com
materials were added to this load, and that the material was delivered without incident.	DRIVER: GGDWTHED	FACILITY REPRESENTATIVE:	White - Sundance	Alexander from TOTALLY



AS A CONDITION TO SUNDANCE SERVICES. INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB FLOCE, OPERATORSHIPPER REPRESENTAT AND WINDRANTS THAT HE WASTE MATERIAL, SHIPPED HERWITH IS MATERIAL EXEMPT FROM THE RESOURCE CONSERVATION AND RECOVERY ACT OF 1978, AS AMENIDED FROM TIME TO TIME, 40 U.S.C. 5 9901, HE MEA, THE MAY HEALTH AND SAF, CODE 5 261, DOT et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DIRELANG FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR AGGOTHERMAL BERFOR. ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHEPED WITH THIS JOB TICKE. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY DOPENATOR-SHIPER TO TRANSPORTER IS NOW DELIMENED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and That it was tendered by the above described shippen. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER.
INDUSTRIES
INDUSTRIES
SOCIETY REPRESENTATIVE.
OCHANICA CANARY - Sundance Acct #1 Pink - Transporter

TICKET No. 238) TIME	GENERATOR COMINNY 1 STO	RICHAME TO TO TO TO		[] Rinsate	[] Jet Out	[Call Out		C-133#	0 0
VICES, Inc.	6	Z STUCILLIE	99-		TYPE OF MATERIAL	[] Drilling Fluids	A-1 Contaminated Soil	[] BS&W Content:	00		: LYNARD 3 C
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY:	TRANSPORTER COMPANY: A CALLOR	DATES II S VEHICLE NO:	CHARGE TO: SULS		[] Production Water	[] Tank Bottoms	[] Solids	Description:	RRC or API #	VOLUME OF MATERIAL BBLS.

X AMPM

812

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATORS-SHIPPED HERBARY SAND WARRARYST THAT THE WASTE MATERIAL, SHEPED HERBARTH IS MANEEN, EXHAPTENDA, THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. 6 F601. Let say. THE MAIN HEALTH AND SAG-CODE 9 561. JOB THESE, AND OTHER PREMATOR PREVAINED THE EXPLOYATION. AFFORDED DIRLINGS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WHITH THE EXPLOYATION, DEVELOPMENT OR PRODUCTION OF GRUDE OIL OR NATURAL, GAS OR GEOTHERMAL EMERGY.

ALSO ÁS A CONDITION TO SUNDANCE SENVICES, INCES ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB PROFET. TRANSPORTER REPRESENTS. AND WIRBRAINS THIS OLD ALT MATERIALS DELIVERED BY POPERACIONSHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INCES FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transportif jacked the magnial represented by this transporter Statement at the above described shaper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

Pink - Transporter Canary - Sundance Acct #1 White - Sundance FACILITY REPRESENTATIVE: DRIVER:

TICKET No. 238			U LIME /	GENERATOR COMPANY (CELT)	INCHANGE 35/0-750		[] Rinsate	[] Jet Out	Call Out		C-133#	1000
VICES, Inc.	2	きまっ	7 2 Jan 6 11 11	9		TYPE OF MATERIAL	[] Drilling Fluids	J. Contaminated Soil	[] BS&W Content.	Olo		C CYNKD !
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY:	LEASE NAME & CONTROL + CONTROL	TRANSPORTER COMPANY:	DATE S. S VEHICLE NO. 1	CHARGE TO: ((C.)		[] Production Water	[1 Tank Bottoms	[] Solids	Description:	RRC or API #	VOLUME OF MATERIAL (18815.

AM/PM

FACILITY FOR DISPOSAL

ALSOAS A CONDITION TO SUNDANCE SERVICES, INC.5. ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKEE. TRANSPORTER. REPRESENTS. AND WARRANTS THAT ONLY THE MATERIAL. DELIVERED BY OPERATORISHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S.

AS A CONDITION TO SUNDANCE SERVICES, INC.5 ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB PROFESSOR. AND WARRANCE SHIPPED HEREWITH IS MAINTERIAL EXHIPPED HEREWITH IS MAINTENAL EXHIPPED HEREWITH IS ANATHRIAL SHIPPED HEREWITH IS TO THE AUGUST OF 1976. AS AMENDED FROM THE TOTHER, AUGUST OF 1976, AS AMENDED FROM THE TOTHER, AUGUST OF 1976, AND REGULATIONS REATED PHEREIC OF VINITIO OF THE EXEMPTION AFFORCED OBLILING FILIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GETHERMAL EMERGY.

THIS WILL CERTIFY that the above Transporte lobbed the material represented by this transporter Statement at the above described logistics, and that it was readired by the above described hipper. This will certify that no additional materials were added to this load and that the material was delivered without incident. DRIVER AM C

Canary - Sundance Acct #1 White - Sundance

Pink - Transporter

TICKET No. 238	TIME CHEANDE COMMIN	AND NUMBER 340 754	[] Rinsate [] Jet Out [] Call Out	C-133#	77
ICES, Inc.	PATHE M	84	TYPE OF MATERIAL 1 I Drilling Fluids N Contaminated Soil 1 I 8:500 Content:		: YARD
SUNDANCE SERVICES, Inc. P.O. BOX 1727 EMPIGE. NEW MERICO 88231 (573) 394-2511	LEASE OPERATORISHIPPER/COMPANY: LEASE NAME. TRANSPORTER COMPANY: VEHICLE NO.	ic.	Production Water Tank Bottoms Solids		RIAL BBLS.
NOS #	LEASE OPERATOR/SHIPPER/CC LEASE NAME: TRANSPORTER COMPANY: DATE:	CHARGE TO:	Description	RRC or API #	VOLUME OF MATERIAL

AM/PM

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATORISCHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXHERIAL SHIPPED HEREWITH IS AMATERIAL EXHERIT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENICED FROM TIME TO TIME, 40 US.C. 5 6901, et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION A FFORCED PRILLING, PRODUCED WITHERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL RENEWS.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICCET. ITANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATORSHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the materials was delivered without incident.

PARVER
SOCIALITY REPRESENTATIVE:
White - Sundance Canary - Sundance Acct #1 Pink - Transporter

TICKET No. 2388		TIME 5	MANY NAME 1 - TILLIL	AND NUMBER 390 759		[] Rinsate	[] Jet Out	[] Call Out		C-133#	
/ICES, Inc.	G Ratti	Princletter			TYPE OF MATERIAL	[] Drilling Fluids	I.d Contaminated Soil	[] BS&W Content:			O USABO
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY: (G		DATE: S S VEHICLE NO:)	\$ 1 (S)		[] Production Water	[] Tank Bottoms	[] Solids	Description:		VOLUME OF MATERIAL TIBBLE
#	LEASE OP!	TRANSPO	DATES	CHARGE TO:					0	RRC or API #	VOLUME

AM/PM

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS HIPPED WITH THIS JOB TICKE, OPERATORSY-BIPPER BEPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHEPED HERWITH IS MATERIAL ENEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. 6960, I.e. eac., THE NM HEALTH AND SAF, CODE § 361. DOI 1 et seq., AND REGOLATIONS RELATED THERETO, BY VARTUE OF THE EXEMPTION AFFORDED DRILLING, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR SECOTHERMAL BURBOY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATORISHIERET DITRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

FACILITY REPRESENTATIVE.

Governme

White - Sundance Canary - Sundance Acct #1 -- Pink - Transporter

DRIVER:

TICKET No. 23	CEREMON COMMY	MARCH 300-75		[] Rinsate [] Jet Out	[] Call Out	C-133#	11
SUNDANCE SERVICES, Inc. P.O. Box 1737 Eurice, hive Mexico 88231 (573) 394-2511	S GORDANING	NG N AND	TYPE OF MATERIAL	Production Water Drilling Fluids Tank Bottoms	[1] Solids [1] BSBW Content		CIBBIS. : LU YARD ()
SUNDA	LEASE OPERATOR/SHIPPER/COMPANY: LEASE NAME: C	CHARGE TO:		2 2	Decription	RRC or API #	VOLUME OF MATERIAL [18815.

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS. AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXAMPTERSON, THE RESOURCE, CONSERVATION AND SECCUPER ACT OF 19%, AS AMBRIDED FROM THIS TO TIME AU US.C. 6 6901, 44 944, THE NM HACHT AND SAF CODE § 36,1001 et seq., AND REGULATIONS RELATED TO TIME AU US.C. 6 6901, 44 940 SECULATIONS RELATED ASSOCIATED WITH THE EXPLORATION AFFORDED FIRELINGS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL, OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSOAS A CONDITION TO SUNDANCE SERVICES, INC.S.A.C.EPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TRICKET. TRANSPORTIER REPRESENTS. AND "WARRANTS" THIS. "ONLY THE MATERIAL DELIVERED BY PERFATORISHEPER TO TRANSPORTER IS NOW GELVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S. FACILITY FOR DISPOSAL

THIS WILL CERTIFY that the above Transporter loaded the maturial represented by this Transporter Statement at the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

Am DRIVER FACILITY REPRESENTATIVE:

Canary - Sundance Acct #1 White - Sundance

Pink - Transporter

SUNDANCE SERVICES, Inc.

TICKET No.

P.O. Box 1737 Eunice, New Mexico 88231 (575) 394-2511

TRANSPORTER COMPANY: LEASE OPERATOR/SHIPPER/COMPANY: LEASE NAME:

COSESSION TIME 9:05 AMPM RIG NAME AND NUMBER

VEHICLE NO:

NACE

TYPE OF MATERIAL

CHARGE TO:

DATE: X

AMVPM

[N] Contaminated Soil [] Drilling Fluids [] Production Water [] Tank Bottoms [] Solids

[] BS&W Content

I I Call Out [] Jet Out [] Rinsate

Description:

C-133#

I JYARD f 18815.

VOLUME OF MATERIAL

RRC or API#

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKE, OPERATORYSHIPPER REPRESENTS AND WARRANIST THAT THE WASTE MARRIALS HENDED HERWITH IS MATERIAL EXHEPTED HERWITH IS MATERIAL EXHEPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 19%, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 600), et seq., THE MA HEALTH AND SAF, CODE § 501, DOI TE seq., AND REGULATIONS RELATED THERETO, BY WATURE OF THE EXMANDENT ON A PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLANATION, DEPELOMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INCS ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY DERAZORSHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INCS FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described shipper. This will certify that no additional materials were added to this <u>load</u>, and that the material way delivered without incident.

DRIVER.

FACILITY REPRESENTATIVE:

Canary - Sundance Acct #1 White - Sundance

Pink - Transporter

412-586-5401 - ww

TICKET No. 2388	TIME	[] Rinsate [] Jet Out [] Call Out C-133#	
VICES, Inc.		TYPE OF MATERIAL (1) Drilling Fluids F/ Contaminated Soil (1) 854W Content	: AV YARD SO
SUNDANCE SERVICES, Inc.	LEASE DAERATOR/SHIPPER/COMPANY: TEASE NAME: TRANSPORTER COMPANY: DATE: VEHICLE NO: CHARGE TO:	Production Water Tank Bottoms Solids Description;	VOLUME OF MATERIAL 1881S.
#	LEASE NA LEA	Des	VOLUME

AM/PM

AS A CONDITION TO SUNDANCE SERVICES, INC.3 ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, COFEMOTORS PHOPER REPRESENTS. AND WARRANGY THAT THE WASTE MATERIAL, SUPPED HEEWITH IS MATERIAL EXEMPTENDATH REPRESENTED FROM THE TO THE 40 USC. 5 6001, et seq., AND REGULATIONS AND SECONTER ACT OF 19% AS MARBICED FROM THAT THE 40 USC. 5 6001, et seq., AND REGULATIONS RELATED FROM THE COTTAGE OF THE EXEMPTION AFFORCED DRILING FUNDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OUR NATURAL GAS OR GEOTHERMAL EMERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND—WARRANTS—THAT ONLY THE MATERIAL DELIVERED BY OPERATOR SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S. FACILITY FOR DISPOSAL. THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described shaper. This will certify that no additional above described shaper. This will certify that no additional atteriol was delivered without incident. materials were added to this load, and that the

DRIVER

FACILITY REPRESENTATIVE:

White-Sundance

Canary - Sundance Acct #1

Pink - Transporter

GINERATOR COMPANY () TIME () (AMVPM) GINERATOR COMPANY () TIME () TIM TICKET No. 238807 AND NAMES 340 75 [] Call Out [] Jet Out [] Rinsate C-133# (YARD & Contaminated Soil Lang Satur TYPE OF MATERIAL [] BS&W Content. [] Drilling Fluids SUNDANCE SERVICES, Inc. PO. Box 1737 Eurice, New Meako 88231 VEHICLE NO: [] Production Water LEASE OPERATOR/SHIPPER/COMPANY: [] Tank Bottoms VOLUME OF MATERIAL | 18815. [] Solids TRANSPORTER COMPANY: CHARGE TO: DATE // LEASE NAME: RRC or API #

AS A CONDITION TO SINIDANCE SERVICES, INCS ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS DOS TICKET, OFFERANDESSHIPPER REPRESENTS AND WARRANIST THAT THE WASTE MATERIAL SHIPPED HERBITH IS MATERIAL EXEMPT FROM THE RECOURTE. CONSERVATION AND RECOVERY ACT OF 1976, AS ANBIDIDED FROM THIS TO TIME, 40 U.S.C. § 6001, et sea, THE MATH AND SAS, CODE § 501.001 of sea, AND RECOUNTIONS RELATED THERETO, BY WITH OF OF THE EXEMPTION A PRODUCTION OF CRUDE OIL OR NATURAL GAS OR ASSOCIATED WITH THE EXPONANTION, DEPETADPRIET OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WAGBANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S. FACILITY FOR DISPOSAL THIS WILL CERTIFY that the above-fransporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the materials was delivered without incident.

FACILITY REPRESENTATIVE: DRIVER: SKEUTTEN

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

SING - 432-546-5401

TICKET No. 238		GENERATOR COMPANY MAN'S NAME	AND NUMBER 5/10-75/1		[] Rinsate	[] Jet Out	1 1 Call Out		C-133#	20 : 11
VICES, Inc.	Jane 1001	The Child		TYPE OF MATERIAL	[] Drilling Fluids	I-I Contaminated Soil	[] BS&W Content:	OD		: (J YARD
SUNDANCE SERVICES, Inc. PO. BOX 1737 Eurice, New Meeto 88231 (575) 394-2511	LEASE OPERATOR/SHIPPER/COMPANY:	TRANSPORTER COMPANY: VEHICLE NO:	SIG		[] Production Water	[] Tank Bottoms	[] Solids	Description:	The same of the same	VOLUME OF MATERIAL [] BBLS.
#	LEASE OPER	TRANSPORT	CHARGE TO:				2	ă	RRC or API #	VOLUME OI

AM/PM

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATORISHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL, SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C.; 6 6901, 41 seq., THE NIM HEALTH AND SAF, CODE § 361,001 et seq., AND REGULATIONS RELATED THERETO, 8Y VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY TOCKETATORS-HIPPET OF RANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter, Statement at the above described location, and that it rikes Jendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

FACILITY REPRESENTATIVE:

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

TIME / / S AM/PM TICKET No. [] Call Out [] Jet Out [] Rinsate GENERATOR COMPANY (7, C-133# [V] Contaminated Soil KI YARD TYPE OF MATERIAL [] BS&W Content: [], Drilling Fluids SUNDANCE SERVICES, Inc. Po. Bex 1737 Eurice, New Mexico 88231 P.O. Box 1737 Eunice, New Mexico 88231 (575) 394-2511 [] Production Water S VEHICLE NO: LEASE OPERATOR/SHIPPER/COMPANY: [] Tank Bottoms 1 8815 [] Solids TRANSPORTER COMPANY: VOLUME OF MATERIAL Description: LEASE NAME: RRC or API# CHARGE TO: DATE:

TOTIME, 40 U.S.C., § 6901, et seq., The NM HEALTH AND SAF, CODE § 361,001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL, OR NATURAL GAS OR AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OF GENUDEAUPER REPRESENTS AND WARRARISTS THE WATER MATERIAL SHIPPED HERWITH IS MATERIAL EMPRESED FROM THE RESOURCE CONSERVATION AND RECOVER ACT OF 1976, AS ARRINDED FROM TIME

ALSO KS.A.CONDITION TO SUNDANCE SERVICES INCS.A.CCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB PICKET. TRANSPORTER REPRESENTS. AND WARRANTS THAT, ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW BELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INCS. FACILITY FOR DISPOSAL THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

FACILITY REPRESENTATIVE DRIVER:

Canary - Sundance Acct #1 White - Sundance

Pink - Transporter

ACES, Inc. TICKET NO. 23	1944. 1947. HOLCK TIME.	TYPE OF MATERIAL	1 Drilling Fluids 1 8 finsate 1 6 to Lour 1 8 5 & W. Content: 1 Call Out 1 Dr. Dr.	C133#	: XIYARD 276 : (1)
SUNDANCE SERVICES, Inc. P.O. Box 1737 Eurice, New Mexico 88231	LEASE OPERATORISHIPPER/COMPANY: LEASE NAME. I I I I I I I I I I I I I I I I I I I	CHARGETO: 511 G	[] Production Water [] Tank Bottoms [] Solids [Description:	RRC or API #	VOLUME OF MATERIAL [] BBLS.

- AM/PM

1638

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TRICKLES, PRESENTED AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERBWITH IS MATERIAL EXHAPPER PRESENTED CONSERVATION AND BECOVERY ACT OF 1976. AS AMENICID FROM THE TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 36. JOB et seq., AND REGULATIONS RELATED FRIENCE, OF VIRTURE OF THE EXEMPTION AFFORDED DIRLING, FULLOS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL, EMERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY POERATORISHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described shapper, This will certify that no additional

materials were added to this load, a	Ownerso	FACILITY REPRESENTATIVE:	White - Sundance
materials were added to this load, and that the material was delivered without incident.	1 6 1.	10 Ja (411)	Canary - Sundance Acct #1
cident.		10000000000000000000000000000000000000	Pink - Transporter

TICKET NO. 2386	TIME 2: (1	MANYS NAME: (* *) // (/) /	[] Rinsate [] Jet Out [] Call Out	C-133#	0 : 0
VICES, Inc.	5419 11844.	M 1 MG	TYPE OF MATERIAL [] Drilling Fluids [] Contaminated Soil [] BS&W Content.		: XI YARD 26 :
SUNDANCE SERVICES, Inc.	LEASE OPERATOR SHIPPER/COMPANY: 5/1/6 LEASE NAME: 7/1/1/2014 7/1/84 1/1 TIME 2:4/1 TRANSPORTER COMPANY: 7/1/6 1/1/1/6 TIME 2:4/1 TANSPORTER COMPANY: 7/1/6 1/1/1/6 TIME 2:4/1	CHARGETO: 5/1/G	[] Production Water [] Tank Bottoms [] Solids Description:	RRC or API #	VOLUME OF MATERIAL [] BBLS.
	LEA TRA	8	60	RRC	NO.

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AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR-SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL, SHIPPED HERWITH IS MATERIAL EXEMPTED HERWITH IS TO TIME, 40 U.S.C. 9501, et seq., THE UM HEALTH AND SAF CODE \$ 561 to 10 et seq., AND REGULATIONS RELATED THEREFOLY, BY WRITH OF THE EXEMPTION AFFORDED PROMISE. ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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	()	1	Olnk - Transport
1 1 1	1.56(1)		Canary - Sundance Acct #1
DOWNER	FACILITY REPRESENTATIVE:	GONATARI	White-Sundance
	V / / annex	SCOULTY REPRESENTATIVE:	FACILITY REPRESENTATIVE SCANNING TO STA COLLY

TICKET NO. 238543	TIME SUNGW	BICHAME (1. T/O ALL) AND NUMBER	[] Rinsate [] Jer Cort [] Call Out	Муляр 26 : 11
VICES, Inc.	Sugank Batte		TYPE OF MATERIAL [1] Drilling Builds [X] Contaminated Soil [1] BS&W.Content:	. MYARD
SUNDANCE SERVICES, Inc.	LEASE OPERATORISHIPPENCOMPANY: 511/7 LEASE NAME: FULL TO ILK POTTERY TRANSPORTER COMPANY: 71 (2011) 11 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	CHARGETO: 5114	[] Production Water [] Tank Bottoms [] Solids Description:	RRC or API # VOLUME OF MATERIAL [] BBLS.
#	LEASE OPI LEASE NA TRANSPOI	CHARGE TO:	•	RRC or API #

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRARINST HE WASTE MATERIAL, SHIPPED HERBUTH IS MATERIAL EXHIPPED HERBUTH IS AMATERIAL EXHIPPED HERBUTH IS AMATERIAL EXHIPPED HERBUTH IS AMATERIAL EXHIPPED HERBUTH IS AMATERIAL EXHIPPED HERBUTH HIS AMATERIAL EXHIPPED HERBUTH HIS SECONDER SECULATION REGULATIONS RELATED THEIRE, OF VIRTUE OF THE EXEMPTION AFFORCED DRILLING RUDGS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH HE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL REPERCY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELINERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S FACILITY FOR DISPOSAL.

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The state of the state of	1/10	11. 1/4 1/1 7	SIGNATURE &	The same of the sa
DRIVER:	CHCHATORO	FACILITY REPRESENTATIVE:		Make Condense

SUNDANCE SERVICES, Inc. P.O. Box 1737 Enrice, New Mexico 88231
(575) 394-2511

LEASE OPERATOR/SHIPPER/COMPANY:

PM

TICKET No. 238574

Wd.

LEASE NAME: ELLI	Thomas TI	113411.	AND THE PARTY OF T	
TRANSPORTER COMPANY:	mostin	rez Truch	TIME 9:58 AN	SAN
DATE 3 - 6 - 13 VEHICLE NO: 25 GENERATOR COMPAN MANS NAM	VEHICLE NO:	8	2-4	11/2
CHARGE TO:	5116		NIC NAME AND NUMBER	
	L	TYPE OF MATERIAL		
[] Pm	[] Production Water	[] Drilling Fluids	[] Rinsate	
(1) to	[] Tank Bottoms	* J Contaminated Soil	[] Jet Out	
[] Solids	spilds	[] BS&W Content:	[] Call Out	
Description:	Olo			
RRC or API #			C-133#	
VOLUME OF MATERIAL 1881 C	LIBBIC	. XI VADO	XI VARO 7	

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR-SHIPPED MERGINS THAT THE WASTE MARTERIAL SHIPPED HERWITH IS MATERIAL SHIPPED HERWITH IS MATERIAL EXEMPTEROM THE REPRESENT AND WARRANTS THAT THE WASTE MARTERIAL SHIPPED HERWITH IS THAT AND LIME 40 USC. 5 6501, et seq., AND REGULATIONS RELATED THERETO, BY WITH OF THE EXPLAPTION AFFORDED DRILLING FULLOS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL RHERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB THCK: TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATORSHIPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S ACLITY FOR DISPOSAL.

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GROWINE	1 17 1		
FACILITY REPRESENTATIVE:	11. 714 (17	
GRANTING			
White - Sundance	Canary - Sundance Acct #1	4	ink - Transp

LEASE OPERATOR/SHIPPER/COMPANY: LEASE NAME LEASE NAME DATE: D	THE SOUR	SUNDANCE SERVICES, Inc. P.O. Box 1737 Eurice, New Menico 88231 (575) 394-2511	CES, Inc.	TICKET No.2 238601
NO. 25 GURIACO COMMUNE TYPE OF MATERIAL RACHAMAN AND MANIES TYPE OF MATERIAL S	LEASE OPERATOR/SHIP	PPER/COMPANY:	1169	
TYPE OF MATERIAL I Delling Fluids I 1 858W Content:	TRANSPORTER COMPA	NY: 7) Antin	67 15111	TIME //
TYPE OF MATERIAL 1 Production Water (1 Drilling Fluids (1 Tank Bottoms (1 Solids (1 S	DATE 3/8/13	VEHICLE NO:	5	ENEMATOR COMPANY " TO A LOCAL
1 Production Water 1 Drilling Fluids 1 Tank Bottoms 1 Drilling Fluids 1 Solids 1 Solids 1 Solids 1 Solids 1 Solids 1 Seaw Content:	CHARGE TO:	5116		RIG NAME AND NUMBER
1 Production Water (1 Drilling Fluids 1 Tank Bottoms (1 Tank Bottoms (1 Solids 1 Solids) 1 Solids (1 Solids)	To the last	t	PE OF MATERIAL	
() Tank Bottoms () Contaminated Soil () Solids () BS&W Content: Cription.	-] Production Water	[] Drilling Fluids	[Rinsate
1 1 Solids 1 1 BS&W Content:		1 Tank Bottoms	V1 Contaminated Soi	
cription.	7	3 Solids	[] BS&W Content:	[] Call Out
	Description:	OIL	,	
	RRC or API #			C-133#
the second of th	the state of the same of the s	. 1 mar.	, Airean	//

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKE, COPERATORS AND WARRANTS THAT THE WASTE MATERIAL, SHIPPED HEREWITH IS MATERIAL, ENERGY, FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1926. AS AMENDED FROM THE TO TIME, 40 U.S.C. & 5601, et seq., AND REGULATIONS RELATED THEREWITH, AND SAS CODE 5 361.001 et seq., AND REGULATIONS RELATED THEREWILLY, BY WITH OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH HE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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	DRIVER: SCOUNTINE SCOUNTINE: SCOUNTINE	Sta Chenz	
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TICKET No. 23862	TIME // n 7	GENERATOR COMPANY (1) AT ILL LA MAN'S NAME (1)	ול 1 Rinsate	I Soil [1 Jet Out t] Call Out	C-133#	M YARD 20 : [1
ANCE SERVICES, Inc. P.O. Box 1737 Emilies New Monico 88231 (575) 394-2511	546 7814.	250	TYPE OF MATERIAL [1, Drilling Fluids	M. Contaminated Soil () BS&W.Content.		N.W
SUNDANCE SERVICES, Inc. P.D. BOA 1737 Estimete, New Merico 88231 (573) 394-2511	LEASE OPERATOR/SHIPPER/COMPANY: SUG	DATE: 3 S . 1'S VEHICLE NO:	[] Production Water	[] Tank Bottoms [] Solids Description:	RRC or API #	VOLUME OF MATERIAL 188LS.

W/PM

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, COPERATORSHIPPER REPRESENTS AND WARRANT THAT THE WASTE MATERIAL SHEEPED HEREWITH IS MATERIAL EXEMPTEND. THE RESOURCE, CONSENVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. & 5001, et seq., THE NAM HEALTH AND SAL COOR § 561, DOI et seq., AND REGULATIONS RELATED THEREIC, BY WITHOU GO THE EXEMPTION A FFORDED DRILLING, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GOTHERMAL EMERGY.

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FACILITY REPRESENTATIVE.

Securing

FACILITY REPRESENTATIVE.

Securing

Consty-Sundance Actt #1

Park-Transporter

38545	TIMES: 37 (AM)F		
TICKET No. 238545	COMPANY 75 MAME: (insate et Out all Out	= = =
	2116 Battery 102 Truck COMPANY MAYSTANG MAYSTANG MAYSTANG	TYPE OF MATERIAL () Drilling Fluids X) Contaminated Soil () BS&W Content:	: XJ YARD 30 ::
SUNDANCE SERVICES, Inc.	LEASE OPERATOR SHIPPER/COMPANY: 5/1/7 LEASE NAME: ELITION + 1/0 1/1 20 + 1/0 TRANSPORTER COMPANY: 1/0 1/1 1/0 DATE: 3-8-13 VEHICLE NO: CHARGE TO: 5/1/2	Water	VOLUME OF MATERIAL [] BBLS.

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR-SHIPPER REPRESENTS AND WARRARIST THAT THE WASTE MATERIAL, SHEPED HEREWITH IS MATERIAL EXEMPTERAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C., 56 6501, et seq., THE MM HEALTH AND SAF CODE \$ 501,001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION A FFORCED OBILLING FULLING, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL BREEST.

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	X	7		Pink - Transporter
	1/10/1	ン・ボルゴ		Canary - Sundance Acct #1
DRIVER.	OGMUNE	FACILITY REPRESENTATIVE:	SIGNATURES	White-Sundance

1C. TICKET No. 23858	GANGARIAN COMMENT (TIME 12:12 CQ	FRIAL Fluids [] Rinsate fluids [] Act Out ontent: [] Call Out C-133#
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY: \$1169 TEANSPORTER COMPANY: 7161+11162 1166 GREATER COMPANY: MICHENO: 6 MOSTAWAY MANSPORTER COMPANY MANSPANY MANSPANY MANSPANY MANSPANY	TYPE OF MATERIAL 1 Production Water 1 Drilling Fluids 1 Tank Bottoms X Contaminated Soil 1 Solids 1 BS&W Content.
GNUS	LEASE OPERATOR/SHIPPER/COMPANY: LEASE NAME: FILLING TRANSPORTER COMPANY: DATE: 7.8 // S VEHICLE NO: CHARGETO:	niption

AM/PM

AS A CONDITION TO SUNDANCE SERVICES, INC.5 ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATORS/HIPPER REPRESENTS AND WARRANIST THAT THE WASTER MATERIAL, SHIPPED HERWITH IS MATERIAL EXEMPLED. FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS MARDICED FROM THE TO TIME, 40 U.S.C. § 6901, et. seq., THE NM HEALTH AND SAT. CODE § 361.001 et. seq., AND REGULATIONS RELATED PHERECO, BY WITH OF THE EXPLANTIONS AFFORDED ORILING, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY DEFRACIOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

FACILITY REPRESENTATIVE:	Sta 613	
White - Sundance	Canary - Sundance Acct #1	Pink - Transpor

TICKET No.2 238504	CHEMICH THE / 37 EM	RECOUNTER AND NUMBER	[] Rinsate [] Let Out [] Call Out	C-134
VICES, Inc.	344	TYPE OF MATERIAL	Dorlling Fluids Contaminated Soil BS&W Content:	: X1 VARD 20
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY: LEASE NAME: L TRANSPORTER COMPANY: T DATE: S VEHICLE NO. L	Sug	[] Production Water [] Tank Bottoms [] Solids [on:	RRC or API # VOLUME OF MATERIAL 18BLS.
ins #	LEASE OPERATOR LEASE NAME: TRANSPORTER CO DATE: 3 S	CHARGE TO:	Descriptions	RRC or API # VOLUME OF MATE

PM

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKE, LO SERATOR/SHIPPER REPRESENTS AND WARRARDST THAT THE WASTE MATERIAL SHIPPED HERWITH IS MATERIAL EXEMPTED. ALTERNATIVE REPRESENTS AND WARRARDST THAT THE WASTE MATERIAL SHIPPED HERWITH IS MATERIAL EXEMPTED. THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMBIDIZED FROM TIME TO TIME, 40 U.S.C. & 5690, Let EXEMPTION HERORED SHILMS SHIPPED THE SERVENTION OF THE EXEMPTION AFFORCED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL INSTRUCT.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATORSHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S PACLITY FOR DISPOSAL.

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DARVER COUNTY REPRESENTATIVE: ACCUST REPRESENTATIVE: ACCUSTOR

to under from TOTALLY CHARP ADVERTIGING - 432 586 5461 - www.Pronullapermenterior

TICKET NO. 2384		GENERATOR COMPANY (1. D.M.)	HIC NAME AND NUMBER		[] Rinsate	[] Jet Out	[] Call Out	C-133#	5
ICES, Inc.	5116	3 71	HIGHA AND N	TYPE OF MATERIAL	[1 Drilling Fluids	(M. Contaminated Soil	I i BS&W Content:		. OC MINIS
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY:	TRANSPORTER COMPANY: 77/25/2000 DATE: 5/5/3 VEHICLE NO:	5116		[] Production Water	[] Tank Bottoms	[] Solids	ののはないので	Andrews Ar assessment 1 1000 c
ins #	LEASE OPERATOR	TRANSPORTER CO	CHARGE TO:			8	Descriptions	RRC or API #	area of the same

AM/PM

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKE, OPERATORS/APPER REPRESENTS AND WIRARANIST HAT THE WASTE MATERIAL SHIPPED HERWITH IS MATERIAL EXIMPTED. AS HENDED FROM THE TO TIME, 40 LISC, \$6.501, et seq., THE NIM HEALTH AND SEC. CODE \$361.001 et seq., AND REGULATIONS RELATED THEREOUS BY WITHE OF THE EXEMPTION AFFORDED DIRLING FRUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB THOSE. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S RICLIFF TOR DISPOSAL.

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FACILITY REPRESENTATIVE:

SCOOTING

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

DRIVER:

TICKET No. 238544	TIMES 1.2 (AMOR) CHARLOG COMMING (1.5 ft) (1.6 ft) MASS NAME (1.6 ft) MECHANICAL MECHAN		
TICKET NO.	OR COMPANY MANYS NAME NAMER	[] Binsate [] Jerour [] Call Out [C-133#	
S, Inc.	Batter	TYPE OF MATERIAL () Drilling fluids () Contaminated Soil () () BS&W Content () S\$W Content ()	
ANCE SERVICES P.O. BOX 1737 Eurice, New Mexico 88231 (575) 394-251	10 MK	TYI Water	
SUNDANCE SERVICES, Inc.	LEASE OPERATORISHIPPER/COMPANY: SUG	[] Production Water [] Tank Bottoms [] Solids [Description: RRC or API # VOLUME OF MATERIAL [] BB45.	
#	LEASE DAFEA LEASE NAME TRANSPORTE DATE: 3	Des RRC or API #	

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB PROCESS. TO COPERATORS PREPREDENTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL ENEMPET FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. 9 6001, et seq., AND REGULATIONS RELATED THERETO, BY WITHOUT OF THE EXPENSIVION AFFORDED DRILLING FULUS, PRODUCED WITHES, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GOTHERMAL BREBOT.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OFERATOR'SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S PACLITY FOR DISPOSAL.

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DRIVER.
FRACILITY REPRESENTATIVE.
FORGILITY REPRESENTATIVE.
FORGILITY REPRESENTATIVE.

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

medic from TOTALLY SHARF ADVENTIGING + 412-546-5461 - www.Promosupartas.com

C. TICKET NO. 2385		COMENTOR COMPANY (1, 50)	RIS NAME AVO NUMBER	ERIAL	luids [] Rinsate	nated Soil [] Jet Out	intent: [] Call Out	C-133#	77
SUNDANCE SERVICES, Inc.	LEASE OPERATORISHIPPER/COMPANY: 5/1/67 LEASE NAME: #1/11/0714 7/84y.	DATE: 3-8-13 VEHICLE NO: 29	16	TYPE OF MATERIAL	[] Production Water [] Drilling Fluids	[] Tank Bottoms Contaminated Soil	[1] Solids [1] BS&W Content		
SUNDA	LEASE OPERATOR/SHIPPE LEASE NAME: # 1/1/	DATE 3-8-13	CHARGE TO: SUG			=	[] Description:	RRC or API #	

CLLY

AS A CONDITION TO SUNDANCE SERVICES, INC.5 ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERWITH IS MATERIAL ESEMPT FOR THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976 AS AMENDED FROM TIME TO TIME, 40 U.S.C. & 6001, et seq., THE NM HEALTH AND SAF, CODE § 361 JOB et seq., AND REGULATIONS RELATED THEREOLY, BY WITH OF THE EXEMPTION AFFORCED DRILLING FULLOS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WHITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL EMROR:

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER. REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPET TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER.

SOOWDING

FACILITY REPRESENTATIVE.

SCOWDING

CANAY - Sundance Acct #1

Pink

dance Canary - Sundance Acct #1 / Pink - Transporter

rder from TOTALLY SHARP ADVERTISING - 432-366-3401 - www.PromoSupermarker.com

TICKET No. 238602	TIME! 34 GAVPM TOWER CONSTRUCT TOWNS NAME (* 5177) (* 4)	I Rinsate I String of I String of I String of I Call Out I Call Out I Call Out I String of I Str	C-133# (1)
VICES, Inc.	SuG Thoth	TYPE OF MATERIAL () Onling Fluids W Contaminated Soil () 858W Content:	: XI YARD
SUNDANCE SERVICES, Inc.	LEASE OPERATORISHIPPERICOMPANY: SUGATILEASE NAME: FLITALISH TIPATA TO THE TRANSPORTER COMPANY: STATE OF THE PARTY OF THE P	1 Production Water 1 Tank Bottoms 1 Solids Description:	RRC or API # VOLUME OF MATERIAL 1881.5.

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB PRICKE. DOB TRICKE. TO EPERATOR SHIPPED WITH THE WASTE MATERIAL SHIPPED HERWITH IS MATERIAL EXEMPTED HERWITH IS MATERIAL EXEMPTED. THE SERVICE CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 400 U.S.C. & 5601, et seq., AND REGULATIONS RELATED THEREFOR BY WITHOUT OF THE EXEMPTION AFFORDED PRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH HE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GOTHERMAL ENFENCY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATORSHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described shapper. This will certify that no additional above the statement of the above described shapper. This will certify that no additional contents to manage the above described shapper.

		1	Pink -Transporter
Pamba.	V 15	1. 2/4 (214	Canary - Sundance Acct #1
naves.	Stouther	FACILITY REPRESENTATIVE:	White-Sundance C

TICKET No. 238625	CORRECTORING (1) 14 AM	MICR. ([] Rinsate [] Je Out [] Call Out C-133#
	844. 844.	RG NAME AND NUMBER	TYPE OF MATERIAL 1 Dreiting Fluids (1 PR (1 PR
SUNDANCE SERVICES, Inc.	LEASE WAME: £ LLM1077+ T18411. TRANSPORTER COMPANY: 77/08 71 11 C C COMPANY: 77/08 71 11 C C C C C C C C C C C C C C C C C	CHARGETO: SUG	[] Production Water [] Tank Bottoms [] Solids Description:

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AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATORSHIPPER REPRESENTS AND WARRANIST THAT THE WASTE MARRIENE, SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6001, et seq., THE NIM HEALTH AND SAF, CODE § 361, DOT et seq., AND REGULATIONS RELATED THEREW, BY WITH OF THE EXEMPTION A FFORCED DILLING, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL, GAS OR GEOTHERMAL, EMERGY.

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PACILITY REPRESENTATIVE:

SCONTINUE

White-Sundance

Canary-Sundance Acct #1

Pink-Transporter

TICKET NO. 2383	CANTON TIME 910	RIC NAME AND NUMBER	[] Rinsate [] Jet Out [] Call Out C-133#	0 : 0
TCES, Inc.	120	T WIG	TYPE OF MATERIAL 1) Drilling Fluids Contaminated Soil 1) BS&W Content	: XI YARD ZO
SUNDANCE SERVICES, Inc. PO. Box 1737 Eunic. New Mexico 88231 (573) 394-2511	LEASE OPERATORISHIPPER/COMPANY: 5116 LEASE NAME: LIMINANT TAINLY TRANSPORTER COMPANY: STITULE TO THE STATE	SUG	[] Production Water [] Sank Bottoms [] Solids	RIAL IBBLS.
Nas 🕌	LEASE OPERATOR/ LEASE NAME: TRANSPORTER CO DATE: 3 7-7	CHARGE TO:	Description:	VOLUME OF MATERIAL [18815.

AMINEM

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHEPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL LYBEPED HIREWITH IS MATERIAL EXEMPT FROM THE RESOLREC, CONSERVATION AND RECOVERY ACT OF 1976, AS AARENDED FROM THE TOT TIME, 40 U.S. C. & 6690, H. et as, ..., THEN M HEALTH AND SAF, CODE & 561, DOT et seq., AND REGOLATION'S RELATED THEREOL, BY WRITH OF THE EXEMPTION AFFORCED DISLUNG FULLIOS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL, GAS OR GEOTHERMAL REFERS.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER. REPRESENTS. AND WARRANTS THAT ONLY THE MATERIAL. DELIVERED BY OPERATORS/HIPPER TO TRANSPORTER IS MOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S RACLITY-POR DISPOSAL.

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DRIVER.

DRIVER.

GONDING

FACILITY REPRESENTATIVE.

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

TICKET NO. 238		Tend TIME 10.	MANYS NAME O STO.	RIG NAME AND NUMBER		[] Rinsate	[] Jet Out	[] Call Out		C-133#	XIVADO OD
VICES, Inc.	544	10" K BOT	25 WELL WILL AND	N N	TYPE OF MATERIAL	[] Drilling Fluids	X Contaminated Soil	[] BS&W Content:	do		ŀ
SUNDANCE SERVICES, Inc. P.O. BOX 1777 Eurice, New Meetic 88231 573, 394-2511	LEASE OPERATOR/SHIPPER/COMPANY: 5 U.C.	LEASE NAME. FILLINGS HOLD TO A BOTTER OF TIME IN	DATE: 3-77-13 VEHICLE NO.	CHARGE TO: 511 G		[] Production Water	[] Tank Bottoms	[] Solids	Description:	RRC or API #	VOLLIME OF MATERIAL (1881C .

S SAMPIM

AS A CONDITION TO SUNDANCE SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRARIST SHIPPED HEREWITH IS MATERIAL EXHAPED HEREWITH IS MATERIAL EXHAPED FROM THE TO TIME 40 U.S.C. § 6901, et. seq., THE NM HEALTH AND SAF, CODE § 36, IOO et. seq., AND REGULATIONS RELATED FHEREY, OF VIRTURE OF THE EXEMPTION A FFORDED OBILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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PRIVER: M. C. Scounnel FACILITY REPRESENTATIVE: Scounnel White - Sundance Acct #1 Pink - Transporter

TICKET No. 238408	O. Staul	[] Rinsate [] Jet Out [] Call Out [Call Out [] [] []
	LEASE OPERATORISHIPPER/COMPANY: SIIG. LEASE NAME. F. LIP. OF The 1/2 BOTTORY TRANSPORTER COMPANY: TO THE COMPANY OF STATE OF OF ST	200
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY: SIIG. LEASE NAME. FILMON TO	TYPE OF MATERIAL (1) Drilling Fluids X Confaminated Soil (1) BSSW Content (2) (5) : XYMRD
PO BOX 1737 Eurice, New Mesico 88231 (575) 394-2511	HPPERCOMPANY: 11 PAINT: 730 73 VEHICLE NO. 511 GF	[] Production Water [] Tank Bottoms [] Solids
NOS #	LEASE OPERATOR/SHIPPER/COMPANY: LEASE NAME. F. [1] TRANSPORTER COMPANY: 7] DATE. 2, 7 - 1,3 VEHICLEN CHARGE TO: 5 (1)	[] Production V [] Tank Bottom [] Solids [] Solids Description: RRC or APL# VOLUME OF MATERIAL [] 881.5.

MAPM

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATORSHIPPER REPRESENTS AND WARRANTS THE WASTER MATERIAL, SHIPPED HERBWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 US.C. 9 6001, st seq., THE VIM HEALTH AND SAF. CODE 5 361, DOT et seq., AND REGULATIONS RELATED THEREOLY, BY VIRTUE OF THE EXEMPTION AFFORDED DIRLUNG FULLIS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL REPREST.

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PACILITY REPRESENTATIVE: SOURCE OF STAR CL

Pink - Transporter

Canary - Sundance Acct #T

White - Sundance

TIMED OF AWPM 238441 TICKET No. [] Call Out [] Jet Out C-133# TIMEZ II III GRENTOROGENEN Potter Y YARD X Contaminated Soil TYPE OF MATERIAL [] BS&W Content: [] Drilling Fluids SUNDANCE SERVICES, Inc. 7 Eunice, New Mex (575) 394-2511 EUMONT 7-13 VEHICLENO: [] Production Water LEASE OPERATOR/SHIPPER/COMPANY: [] Tank Bottoms 1 18815. P.O. Box 1737 [] Solids TRANSPORTER COMPANY: VOLUME OF MATERIAL Descripti LEASE NAME: DATE: 2 CHARGE TO: RRC or API # #

AS A CONDITION TO SUNDANCE SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATORISHPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIALS, ALPRED HEREWITH IS MATERIAL EXEMPTED. HEREWITH IS MATERIAL EXEMPTED HEREWITH IS TO TIME, 40 U.S.C. § 8091, at east, AND REGULATIONS RELATED THEREX. OF WITH THE EXEMPTION A HEREWITH SAND OF THE EXEMPTION A FORDED BELLING FROUNCED WITH THE EXPLORATION, DEVELOPMENT OF PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL EMERCY.

ALSO AS A CONDITION TO SUINDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPET TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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PACLITY REPRESENTATIVE:
SCAUDED
White - Sundance Canary - Sundance Acct #1 Prak - Transporter

TICKET NO. 23847	C. P. TIME 5:34. CREATURE COMPANY A. STATIC. MANY MANE. A. STATIC. MAN DEMANDE.	Out Out	11
Mexico 88231	Ent Botter	TYPE OF MATERIAL Dolling Fluids Contaminated Soil I BS&W Content	N YARD
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY: 5/1/5 LEASE NAME IT IN THE TOTAL BOTTE IN THE TRANSPORTER COMPANY: 17/2 4/11/6 7/11/6 7/11/6 DATE 3/7-1/3 VEHICLE NO: 25 CHECK WARRING CHARGE TO: 5/1/4	ater	VOLUME OF MATERIAL 188LS.
s #	LEASE OPERA LEASE NAME TRANSPORTE DATE: S.	Dess RRC or API #	VOLUME OF

AM/PM

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKE, OFFEATORS SHIPPED REPRESENT AND WARRANST THAT THE WASTE MATERIAL, SHIPPED HERBWITH IS MATERIAL EXEMPTERMA. THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMBIOLED FROM THAT TO TIME, 40 LUSC, 56 601, et seq., THE INM HEALTH AND SAF, CODE § 361,001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION A FFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL, GAS OR GEOTHERMAL BRIEFICY.

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incident.		Pink - Transporter
the material was delivered without	1. Sto (1800)	occurrano indance Canary - Sundance Acct #1 Pir nevale from totals protes doctorising-assisted as 500 - 100 assistanting
materials were added to this load, and that the material was delivered without incident. DRIVER.	SACALITY REPRESENTATIVE:	White-Sundance Rewrite from 1076137

TICKET No.2. 238350	LEASE DARESTORISHIPPENCOMPANY: 500 CS TRANSPORTER COMPANY: TO 11 C 2011 C 10 MED 11 C MAN TO 11 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1 C 1	AME CAMBER	[] Rinsate [] Jet Out [] Call Out C-133#	
MCES, Inc.	Must Batter	RIG NAME AND NUMBER	TYPE OF MATERIAL (1) Drilling Fluids (2) Contaminated Soil (1) BS&W Content	: NO YARD 21.
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY: LEASE NAME: TRANSPORTER COMPANY: DATE: 3 7 - 1 3 VEHICLE NO.	546	[] Production Water [] Tank Bottoms [] Solids Description:	VOLUME OF MATERIAL [] BBLS.
St St	LEASE OPERAT LEASE NAME: TRANSPORTER DATE: 3.7	CHARGE TO:	Descri	VOLUME OF M

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MAYERIALS SHIPPED WITH THIS JOB TICKET, ODERAZIOACSHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL, SHIPPED HEREWITH IS MATERIAL ESMET FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 19% AS AMBLODE FROM TIME TO TIME, 40 U.S.C. 5 6501, et seq., THE MA HEALTH AND SAF, CODE \$ 361 dol et seq., AND REGULATIONS RELATED THEREFOLD BY WITH OF THE EXEMPTION A FFORCED DRILLING FULIOS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH HE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL BEFORE.

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mean	- Ha ('sun)	anary - Sundance Acct #1
DRIVER: SEGNETARY	ACILITY REPRESENTATIVE:	White-Sundance C

ICES, Inc. покню 238374	LEASE OPERATORISHIPPER/COMPANY: 50 G LEASE NAME: LULI COMPANY: 70 11 A TO 11 A	TYPE OF MATERIAL 1 I Drilling Fluids 1 Contaminated Soil 1 I 858W Content 1 Loal Out 1 Start Content C D C C1334	: Nare 20 : [1]
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY: 5019 LEASE NAME: 1 1111777 70 11 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Production Water I Tank Bottoms I. Solids Description. RRC or API #	VOLUME OF MATERIAL 1881S.

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR-SHIPPED REPRESENTS AND WARRANDS TO THE WASTE MATERIAL SHIPPED HERWITH IS MATERIAL EXAMPTEND, SHIPPED HERWITH IS MATERIAL EXAMPTEND. SHIPPED HERWITH IS TO TIME, 80 U.S.C. § 6001, et seq., The INM HEALTH AND SAF CODE § 36.1001 et seq., AND REGULATIONS RELATED FHEREIC, BY VIRTUE OF THE EXEMPTION AFFORCED DIRLINGS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH HE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL EMERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INCS A CCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS. AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY CPERATOR-SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INCS RECURT FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described shipper. This will certify that no additional materials were added to this per order of that the magerial was delivered without incident.

9.		1112		ice Acct #1 Pink - Transpe
two (10 m)	1 IV	TATIVE: // - 1/19 ()	Gregoria	White - Sundance Canary - Sundance Acce #
DRIVER:	December	FACILITY REPRESENTATIVI		White-

TIME 12: 15 AM/PM GREATOR COMPANY (1) STELLI (CC) 238404 [] Call Out TICKET No. [] Rinsate [] Jet Out C-133# Battery KI YARD 2 M Contaminated Soil Wuch TYPE OF MATERIAL I 1 85&W Content: [] Drilling Fluids SUNDANCE SERVICES, Inc. P.O. Box 1737 Eunice, New Mexico 88231 (575) 394-2511 LEASE NAME: FULLIDOITT TO DATE: 3, 7-13 VEHICLE NO. [] Production Water LEASE OPERATOR/SHIPPER/COMPANY: 54 G [] Tank Bottoms 1 18815 [] Solids VOLUME OF MATERIAL Description CHARGE TO: RRC or API#

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, COPERADOPE, REPRESENTS AND WARRANTS THAT THE WASTE MATERIALS, SHEPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S. S. 6991, ILL SEA, THE NM HEALTH AND SAK, CODE § 861 JOI OF ESCA, AND REGULATIONS RELATED THERETO, BY WITULE OF THE EXEMPTION AFFORDED DRILLING, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY. ALSO AS A CONDITION TO SUNDANCE SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY DOPERATORS-SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S FACILITY FOR DISPOSAL.

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THE RESERVE AND ADDRESS OF THE PARTY OF THE		1/4		O Pink - Transporter
Le Muster	1 1 1	11.510 (1		Canary - Sundance Acct #1
DRIVER: X & LLC	Solution	FACILITY REPRESENTATIVE:	GNOWNOW	White - Sundance

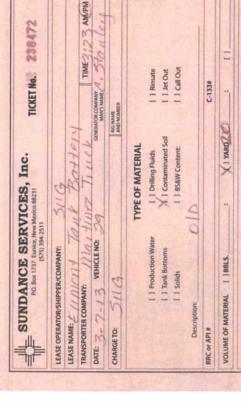
SUNDANCE SERVICES, Inc. TICKEI No. 236435 (575) 394-2511	LEASE OPERATORISHIPPER/COMPANY: SILG LEASE NAME: & LILLING TALLA BOTTET TANNER, ITALLA TANNER TRANSPORTER COMPANY: MALLENO: 294 CHARGE TO: STARLELY CHARGE TO: SILG	TYPE OF MATERIAL 1 Production Water 1 Drilling Fluids 1 Rinsate 1 Tank Bottoms 1 Contaminated Soil 1 Jet Out 1 Solids 1 Solids 1 SSW Content 1 Call Out 1 Description:	RRC of API # C-133# VOLUME OF MATERIAL 18815. : 11
ns 🕸	LEASE OPERATO LEASE NAME: TRANSPORTER C DATE: 3-7	Descrip	RRC or API #

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB PROCESS. PROFESSOR SHIPPED HERWITH IS MATERIAL ENERGHEPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIALS, HERBED HERWITH IS MATERIAL EXHERING. SHIPPED HERWITH IS TO THAT, 40 U.S.C. & 5601, et seq., AND REGULATIONS RELATED THERES, THE NAM HEALTH AND SAF. CODE § 361, DOT et seq., AND REGULATIONS RELATED THERES, OF VIRTURE OF THE EXEMPTION AFFORDED POBILINS. PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH HE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERAZORS-HEPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

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SKOMMUNED	1 11	
FACILITY REPRESENTATIVE	14 th (1/2 2)	
COMMINED		
White - Sundance	Canary - Sundance Acct #1	Pink - Transporter



AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, O'C PERANOVERSHIPPER REPRESENTS AND WARRARIST THAT THE WASTE MALELIAL SHIPPED HEREWITH IS MATERIAL EXHIPPED HEREWITH IS MATERIAL EXHIPPED HEREWITH IS TO TIME. 40 U.S.C. § 6601, et seq., THE NM HEALTH AND SAF. CODE § 361, DOT et seq., AND REGULATIONS RELATED THEREO, BY WITHOU OF THE EXHAPTON A FFORZED PRILING, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH HE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL RESIST.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER. REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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leve lon la	TATIVE 1 Sta	Sundance Canary - Sundance Acct #1	
	ann	nce Acct #1 Pink - Transp	

TICKET No.2 238346	TIME 9:10 GAMPM CORRECCIONAL OF THE 9:10 CAMPM TOWNSHAME O	AND NUMERR	[] Rinsate [] Jet Out [] Call Out	C133#	
RVICES, Inc.	FULL TO IL BOTTELY FIND TO ILLE BOTTELY FANT: A TO ILLE TO CONSUMERCO J. S. VEHICLENO: C. CONSUMERCO MANY TO ILLE CONSUMERCO CONSUMERC	TYPE OF MATERIAL	1.) Drilling Fluids Xi Contaminated Soil 1.) 858W Content:	Je was 20	TANKET :
SUNDANCE SERVICES, Inc.	ATOR/S ER CON	CHARGE TO: 501G	[1 Production Water [] Tank Bottoms [] Solids [] Solids Description:	RRC or API #	VOLUME OF MATERIAL BBLS.

AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOPESHIPPER REPRESENTS AND WHERANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EVERHER SERVICED SHOWN THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM THE TO TIME, 40 U.S.C.S. 6690, ARE AS, THE NIM HEALTH AND SAF, CODE § 361, GOI et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DISILLING FUNDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL BURGOT.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPEDWITH THIS JOB TICKET. TRANSPORTER REPRESENTS. AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OCERATORSHIPPER TO RANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC'S FACILITY FOR DISPOSAL.

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THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional

	Sho Oruz	indance Canary - Sundance Acct #1 Plink - Transporter he used from total state and a second s
OBINER.	FACILITY REPRESENTATIVE:	White-Sundance C

CES, Inc. TICKET No. 238371	G Battery	DATE: 3.7-13 VEHICLE NO: C. CAMMAND COMMAND AND MANS MANS MANS MANS MANS MANS MANS MANS	RIG NAME AND NUMBER	TYPE OF MATERIAL [] Drilling Fluids [] Ringate	Soil		C-133#	. Kyango
SUNDANCE SERVICES, Inc.	LEASE OPERATORISHIPPERICOMPANY: 511 CT. LEASE NAME: E. 1111017 14 16 16 15017 17	TRANSPORTER COMPANY:) (0.11)	CHARGE TO: 511 67	[] Production Water	[] Tank Bottoms	Description:	RRC or API #	VOLUME OF MATERIAL (1881 C

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AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATORISHPERE REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL, SHIPPED HEREWITH IS MATERIAL EXEMPTE REOWN THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. & 6909, I. et see, THE NM HEALTH AND SAF, CODE § 361, DOI et see, AND REGULATIONS RELATED THEREFOLD BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FULLISS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL BERGO.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC'S ACCEPTÂNCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC'S FACILITY FOR DISPOSAL.

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FACILITY REPRESENTATIVE:	1.3/4 / 42		
CHANTORD			1
White - Sundance	Canary - Sundance Acct #1 Pink - Transporter	Pink - Transporter	
the gorden frames TOTALLY I	Re-presentment TOTALLY SITATE ADVENTISHES - 432-586-5401 - www.Phenodupa	perma bet sun	

TICKET No.2 238407	ATTERNATION TO THE STANDAR CONTRACT STANDARY STA	AL I Pinsate is I I Pinsate ed Soil (1 Jet Out ent I 1 Call Out	KIYARD 20 .: 11
WICES, Inc.	Sula Trank Ba	TYPE OF MATERIAL [] Drilling Fluids	, Kin
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY: \$11 C7 TRANSPORTER COMPANY: 7 C7 1 C7 TRANSPORTER COMPANY: 7 C7 1 C7 TRANSPORTER COMPANY: 7 C7 TRANSPORTER COMPANY: 7 C7 TRANSPORTER COMPANY: 7 C7 TRANSPORTER C7 TRANS	[] Production Water [] Tank Bottoms [] Solids Description:	RRC or API # VOLUME OF MATERIAL 1881.5.

AS A CONDITION TO SUNDANCE SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THE WASTER MATERIAL, SHEPED HERBWITH IS MATERIAL, ENEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 197A, AS AMENICED FROM TIME TO TIME, 40 U.S.C. § 6901, 41 seq., THE NM HEALTH AND SAF, CODE § 361.001 et seq., AND REGULATIONS RELATED THEREO, BY WITH OF THE EXEMPTION AFFORDED DIRLINGS, INDODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, EDVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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ITY REPRESENTATIVE:	1. Sta C.	2
White Condance	Canara . Sundance Acet #1	Dink Transmoster

TICKET NO. 238439	GREWICH TIME 1:59 N GREWICH COMING	RIGE SHAME AND NUMBER	[] Rinsate [] Jet Out [] Call Out C-133#
ACES, Inc.	LEASE NAME: THE PRINCHPANT. SUG TRANSPORTER COMPANY: MAINTENAME TO THE COMPANY COMPANY DATE: 3-7-13 VEHICLE NO: LO THE COMPANY NAMES	PIGG SHAME AND NUM	TYPE OF MATERIAL [1] Drilling Fluids [1] Rins [1] S&W Contemic [1] Call [1] S&W Contemic [1] Call [2] Call [2] Call [3]
SUNDANCE SERVICES, Inc.	LEASE OPERATOR/SHIPPER/COMPANY: LEASE NAME: TRANSPORTER COMPANY: DATE: 3 7 3 VEHICLE NO:	5116	[] Production Water [] Tank Bottoms [] Solids
ts ♣	LEASE OPERATI LEASE NAME: TRANSPORTER DATE: 3	CHARGE TO:	Description:

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AS A CONDITION TO SUNDANCE SERVICES, INC.S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKE, COFFRANCES AND WARRANIST THAT THE WASTE MARRIENE, SHIPPED HEREWITH IS MATERIAL EXEMPTED. HEREWITH IS MATERIAL EXEMPTED. HEREWITH IS MATERIAL EXEMPTED. HEREWITH IS TO TIME, 40 U.S.C. & SABOL HERE ALL SHIPPED HEREWITH IS THE ALL SIZE, OF THE TO THE ALL SHIPPED HEREWITH AND SAF CODE § 30.1.001 et seq., AND REGULATIONS RELATED THEREW. OF VIRTUE OF THE EXEMPTION A FORDED DRILLING, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL EMERGY.

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SCHOOLSE SENTATIVE: 5, 510 C. 2,	White - Sundance Canary - Sundance Acct #1 Pink - Trans
	Pink - Transporter

238475	TIME 3; 27 AMER			
TICKET NO. 238475	88	RIG NAME AND NUMBER	[] Binsate [] Jet Out [] Call Out	C-133#
Inc.	Batter		[] Drilling Fluids X1 Contaminated Soil [] BS&W Content.	C13
EVICES,	514G	TYPE OF MATERIAL		dla
ANCE SERVICES P.O. Box 1737 Eurite, New Mexico 88231 (573) 334-2511	RICOMPANY:	5116	ction Wa	SE 717
SUNDANCE SERVICES, Inc.	LEASE OPERATORISHIPPER/COMPANY: 5/1/6 LEASE NAME. ELIDILLI + To 11 & 2011/6 + TRANSPORTER COMPANY: 7) 20 % 1/1/6 / THE CANADOLOGY DATE: 3-7-13 VEHICLE NO: LO GINERADOLOGY	CHARGE TO:	[] Produ [] Tank B [] Solids	Description:
#	LEASE LEASE TRANS DATE:	CHARG		Des RRC or API #

AS A CONDITION TO SUNDANCE SERVICES, INC'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, DEPETATIONS SHIPPED WITH THIS JOB MATERIAL SHIPPED HERWITH IS MATERIAL SHIPPED HERWITH IS MATERIAL SERVICED. SHIPPED HERWITH IS MATERIAL EXAMPLED FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1974, AS AMENDED FROM TIME TO TIME, AU U.S. C. § 6901, et seq., AND RECULLATIONS RELATED TO TIME, AU U.S. C. § 6901, et seq., AND RECULLATIONS RELATED THERE TO SYNITIVE OF THE EXEMPTION AFFORDED DISILLING FULUS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL BREEGY.

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	1 to	ESENTATIVE: 11 3/0 (1)	SIGNATURE
DRIVER	SHOWED	FACILITY REPRE	

Pink - Transporter

Canary - Sundance Acct #1

White - Sundance

mage .

SOUTH MONUMENT SURFACE WASTE FACILITY

173,392-1050 WORK (575)390-3665 CELL (575)391-8391 HOME

14.10 Sec 30 Tros RIVE . Fromat Tank Orthory ORIGINATING LOCATION 301 slow Hey Maralens TX Southern Union 1995 Somes LEASE OPERATOR

TRANSPORTER NAME & ADDRESS

YDS 0 % DATE 12 QUANTITY CELL NUMBER MATERIAL PLACED IN: NAME OF TRANSPORTER (DRIVER): Non-Hazardous Hydrocarbons DESCRIPTION OF WASTE SIGNATURE OF CONTACT

Lostex Lyllo MANGE STGNATURE OF DRIVER

3/22/ears

DISPOSAL SITE South Monument Surface Waste Facility Forths . O. Nov. 416 Forths . MA 88241-0419 525 7205 F36E M/2 NE/4

M/2 M3/4 S25/T205/R36E 575-390-3665 CELL 575-391-8391 HCMI

"As a condition of acceptance for disposal, I hereby cartify that this waste is an exampt waste as defined by the Environmental Protection Agency (EFR). The waste are: generated from oil and gas exploration and production operations: exampt from Assource Conservation and Recovery Act (RCRA) substitle C regulations; and not mixed with non-exempt waste.

FACILITY REPRESENTATIVE

Manifest #

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SOUTH MONUMENT SURFACE WASTE FACILITY

LANDFARM - DIRT SALES 575392-1050 WORK (575)390-3665 CELL (575)391-6391 ROME

14 N Soeth Tros ROTE Lewont Face Buthuy ORIGINATING LOCATION 501 5 Loop 4/64 Hours hows TX 73266 Southain Duion Gas Services LEASE OPERATOR

TRANSPORTER NAME & ADDRESS

DESCRIPTION OF WASTE

FACILITY CONTACT:

Non-Hazardous Hydrocarbons

07

CELL NUMBER MATERIAL PLACED IN:

SIGNATURE OF CONTACT

NAME OF TRANSPORTER (DRIVER) STIGNATURE OF DRIVER

3/20/2013 DATE

DISPOSAL SITE South Monthment Surface Wastn Facility P.O. box 48 8241-2418 S25 7205 R36Z N/2 NE/4

PERMIT \$884-01-0032 N/2 M3/4 S25/1209/R35E 575-390-3665 CELL 575-391-8391 HONE

As a condition of acceptance for disposal. I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The watte are secureted from oil and gas exploration and production operations: exempt from Besource conservation and Recovery Act (RERA) subtitie C regulations; and not mixed with non-vecop's waste.

SOUTH MONUMENT SURFACE WASTE FACILITY

EBASE OPERATOR Southern Uther Kennehous, TY 801 S LCOP HELL MENAHONS, TY	CRIMINAL TOWN BAHLLY LIN W SELSE TOUS RODE
TRANSPORTER NAME & ADDRESS BASIN CULVIOLUMANTA SAVOITOS	
DESCRIPTION OF WASTE	QUANTITY
Non-Hazardous Hydrocarbons	19.2 xbs
FACILITY CONTACT:	
SIGNATURE OF CONTACT	DATE
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NAME OF TRANSPORTER (DRIVER):	
	3/12/13
STONE OF DRIVER	DATE

"As a condition of acceptance for disposal, I hereby cartify that this waste is an exampt waste as defined by the Environmental Protection Agency (SPA). The waste are: grantered from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RGRA) Subtitle C requisions; and not mixed with non-exempt waste.

PERMIT \$NM-01-0032 N/2 M3/4 S25/T205/R36E 575-390-3655 CELL 575-391-8391 HOME

SIGNATURE OF DRIVER.

DISPOSAL SITE
South Monment Surface Waste Facility
P. O. Box 489
Robbs, NM 88241-0418
S25 T203 R36E N/2 NE/4

FACILITY REPRESENTATIVE

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Manifest #

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SOUTH MONUMENT SURFACE WASTE FACILITY

LANDFARM - DIRT SALES 575)392-1050 MORK (575)390-3665 GELL (575)391-8391 HOME

TRANSPORTER NAME & ADDRESS LASTA foundation of Waste DESCRIPTION OF WASTE NON-Hazardous Hydrocarbons A 2 M O 12 yps A 2 M O 12 yps FACILITY CONTACT: BACKLITY CONTACT: CELL NUMBER MATERIAL PLACED IN: C 2	Southern which The Soveres Southern which The Soveres gol 5 hoop 464 Moraham TK	ORIGINATING LOCATION Lean to sold Tros Kine
DATE DATE C A	TRANSPORTER NAME & ADDRESS	
DATE DATE C Z	Beste Burneschil	
DATE DATE CA	DESCRIPTION OF WASTE	QUANTITY
DATE DATE C Z	Non-Hazardous Hydrocarbons	23 M. @ 12 TOS
PLACED IN:		276 Feat
PLACED IN:	FACILITY CONTACT:	
CELL NUMBER MATERIAL PLACED IN:	SIGNATURE OF CONTACT	DATE
	CELL NUMBER MATERIAL PLACED IN:	62

EACILITY REPRESENTATIVE DATE

As a condition of acceptance for disposal, I hereby certify that this ware is an except waste as defined by the Environmental Protection Agency (ERM). The waste are: spenical from oil and gas exploration and production operations: exampt from Resource conservation and Recovery Act (RGMA) subtitie C regulations; and not mixed with non-axompt waste.

PERMIT #NM-01-0032 N/2 N3/4 S25/T203/R36E 575-390-3665 ISIL 575-391-6391 BOME

DISPOSAL SITE South Monument Surface Waste Facility:
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Robbs, NM 88241-0418
625 9268 NJ 8824-0418

3/19/2013

DATE

STENATURE OF DRIVER

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SOUTH MONUMENT SURFACE WASTE FACILITY

Manifest #

LANDFARM - DIRT SALES 575) 392-1050 70RK (575) 390-3665 CELL (575) 391-8391 HOME

"As a condition of acceptance for disposal, I hereby certify that this waste is an exampt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and grant exploration and production operations; exampt from Resource Construction and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-exempt waste." DISPOSAL SITE South Monument Surface Waste Facility South Monument Surface Waste Facility No. Box 18241-0418 S25 T203 R35Z N/2 NE/4

PERMIT #RM-01-0032 N/2 N3/4 S25/T205/R36E 575-390-3665 CELL 575-391-8391 HOME

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SOUTH MONTHENT SURE!	SOCIET PACES
SORTH MONTINENT SURE!	SOCIET PACE CONTRACTOR

LANDEARM - DIKT SALES (575)392-1050 WORK (575)390-3665 CELL (575)391-8391 HOME

LAND SOCTO TRUS ATTE . Lowart TANK Belley KDS ORIGINATING LOCATION 252 DATE 66 QUANTITY 801 5100p 464 Howhard PX Southern Divon Gres Services CELL NUMBER MATERIAL PLACED IN: NAME OF TRANSPORTER (DRIVER) Non-Hazardous Hydrocarbons SIGNATURE OF DRIVER TRANSPORTER NAMES & ADDRESS PSSIA ENVIONMENTEL SIGNATURE OF CONTACT FACILITY CONTACT: LEASE OPERATOR

As a condition of sociations for disposal I hereby cartify that this waste is an exampt waste as defined by the Environmental Protection Agency (EFM). The Maste are: specially form oil and gas exploration and production operations; exampt from Resource Conscration and Resource state and Resource state and Resource exampt waste. PZEMIT #NM-01-0032 N/2 N3/4 S25/7205/R36E 575-390-3665 CILL 875-391-8391 HOME DISPOSAL SITE south Monthert Sucface Waste Facility South Monthert Sucface Waste Facility Robbs, MM 88241-0418 825 7208 R35E M/2 ME/4

.

SOUTH MONUMENT SURFACE WASTE FACILITY

LANDFARM - DIRT SALES (5-5)391-1050 MORK (575)390-3665 CELL (575)391-8391 HOME

Sor 10 T 205 1892 E Frank Bathery ORIGINATING LOCATION (to 1). Esmert 301 Study you markens Th Southwest Union 605 Services 29786 LEASE OPERATOR

THANSPORTER NAME & ADDRESS

24043 661 20/05 @ 12 8-20505 DATE 62 QUANTITY CELL NUMBER MATERIAL PLACED IN: Mon-Hazardous Hydrocarbons DESCRIPTION OF WASTE SIGNATURE OF CONTACT FACILITY CONTACT:

NAME OF TRANSPORTER (DRIVER) SIGNATURE OF DRIVER

3/14/2017

N/2 N3/4 \$25/T203/R36E 575-390-3565 CELL 575-391-8391 HOME

"As a condition of acceptance for disposal, I hereby cartify that this waste is an exempt waste as defined by the Environmental Protection Agency (EFS). The waste are: generated from oil and gas exploration and production operations; exampt from Masource Conservation and Recovery Act (ECRA) subtitle C regulations; and not mixed with non-axempt waste.

PACILITY REPRESENTATIVE

Manifest #

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一年 年 日 日 日

SOUTH MONUMENT SURFACE WASTE FACILITY

LANDFARM - DIRT SALES (375)392-1050 WORK (575)390-3665 CELL (575)391-8391 HOME

45 H-56630-TA05- X77E SUMPLY THINK DEADON 79756 SOUTHER ULLION GRAS SONICES 8015. Long 464 Morea Hours, TX LEASE OPERATOR

TRANSPORTER NAME & ADDRESS

BASIN CHAINOWAR OR THE

DESCRIPTION OF WASTE

Won-Harardous Hydrocarbons

352 you Total QUANTITY

FACILITY CONTACT:

SIGNATURE OF CONTACT

DATE

Call &.

CELL NUMBER MATERIAL PLACED IN:

NAME OF TRANSPORTER (DRIVER) : House

SIGNATURE OF DRIVER

3-14-2012 DATE

DISPOSAL SITE South Monument Surface Waste Facility V.O. Book 410 Phobs. NM 88241-5418 S25 T20S R35E N/2 NE/4

PERMIT #NM-01-0032 N/2 M3/4 S25/T208/R36E 575-390-3665 (GLL 575-391-8391 MONE

"As a condition of acceptance for disposal. I hereby cartify that this waste is an exampt waste as defined by the Environmental Protection Agency (EPA). The waste are generated from oil and gas exploration and production operations; exampt from Resource Conservation and Perovery Act (ECPA) Subtitle C regulations; and not mixed with non-exampt waste.

SOUTH MONUMENT SURFACE WASTE FACILITY

LANDFARM - DIRT SALES 5-5;392-1050 NORK (575)390-3665 GELL (575)391-8391 HOWE

BOI 5. LOOJ 464 MONARMUNE, TX 25196 SOUTHOLK CHICK GAS SCINICAS LEASE OPERATOR

LETN SCL90 TKOS X37E EUMONT TANK BUTTENY ORIGINATING LOCAL

TRANSPORTER NAME & ADDRESS

HASN E WITTOH MENTED SCRICE!

DESCRIPTION OF WASTE

318 yrd To Tubos

Non-Hazardous Hydrocarbons

SIGNATURE OF CONTACT

CO11-4 1960AN = 338

DATE

760aby= 84

6-11-3

CELL NUMBER MATERIAL PLACED IN:

NAME OF TRANSPORTER (DRIVER) :

STGNATURE OF DRIVER THE BASE

PERMIT \$NM-01-0032 N/2 N3/4 S26/T203/R36E 575-390-3665 GZZZ 575-391-8351 HONE DISPOSAL SITE South Monument Surface Waste Facility Couth Monument Surface Waste Facility Robbs, NK 82241-0418 825 7208 RS6E N/2 NS/4 "As a condition of acceptance for disposal, I hereby certify that this wasts is an exampt wasts as defined by the Environmental Protection Agency (EPA). The wasts are: generated from oil and gas exploration and production operations; exampt from Resource Conservation and Recovery Act (RCRA) Substite C regulations; and not mixed with non-moment wasts.

Manifest #

40 . 40

SOUTH MONUMENT SURFACE WASTE FACILITY

5-5) 392-1050 WORK (575) 350-3665 CELL (575) 391-8391 HOWE

LA W. SOCJA 7205 1872E . Euncat Trak Atting ORIGINATING LOCATION 47 WONTHEN TH Southern Duba Gars Sources Just 2 100 LEASE OPERATOR

TRANSPORTER NAME & ADDRESS

Basia Engineerale DESCRIPTION OF WASTE

Non-Harardous Hydrocarbons

288 435 76/4 bs

FACILITY CONTACT:

SIGNATURE OF CONTACT

C2-163- 294. ds DATE CELL NUMBER MATERIAL PLACED IN:

NAME OF TRANSPORTER (DRIVER)

STOWATORE OF DRIVER

3/13/2017

DISPOSAL SITE South Monument Surface Waste Facility C. Sow 418 Hobbs . NM 88241-0418 S25 T208 B36E M/2 NE/4

PERMIT #NM-01-0032 N/2 N3/4 S25/T205/B36E 575-390-3665 CELL 575-391-8391 HONE

The a condition of acceptance for disposal, I hereby certify that this waste is an exampt waste as defined by the Environmental Protection Against (ERM). The waste are: generated from oil and gas exploration and production operations; exampt from Resource Conservation and Recovery Act (RCRM) subtitus C regulations; and not mixed with non-exempt waste.

SOUTH MONUMENT SURFACE WASTE FACILITY

575) 3921-1050 WORK (575)390-3655 CELL (575)391-8391 HOME

79756 801 5, LOOK 464 MONUMANE, TX Souther UMION GAS SENIEN LEASE OPERATOR

LA H Sec. 30 TONO 5 K37E COREGINATING LOCATION EUROS

TRANSPORTER NAME & ADDRESS

Marin CHUNDHMETON Services

DESCRIPTION OF WASTE

Non-Hazardous Hydrocarbons

300 yet to Full TOS QUANTITY

FACILITY CONTACT:

SIGNATURE OF CONTACT

CON-5 3010005 = 140

DATE

5 Coulse 600

6-1100

CELL NUMBER MATERIAL PLACED IN:

NAME OF TRANSPORTER (DRIVER)

STOWATURE OF DRIVER THE B. M.

PEPAIT #MA-01-0032 N/2 N3/4 S25/T205/R36E 575-390-3665 CELL 575-391-8391 HOME DISPOSAL SITE South Monument Surface Waste Facility F.O. Box No. 82441-0418 S25 T205 R36E N/2 NE/4

7-12-4018

"As a condition of acceptance for disposal, I hereby cartify that this waste is an exampt waste as defined by the Environmental Protection Agancy (EEA). The waste are: generated from oil and gas exploration and production operations: exempt from Resource Conservation and Recovery Act (ECEA) subjects C regulations; and not mixed with non-exempt waste.

FACILITY REPRESENTATIVE

Manifest #

-- - 七日 万 日

SOUTH MONUMENT SURFACE WASTE FACILITY

12NDFARM - DIRT SALES 575) 392-1050 #0RK (575) 390-3665 CELL (575) 391-8391 HOWE

CELLINOST TELLIE BATICY

LIN M. Sr. 30 T205 R37E 801 & Loop Hot Moustans, T. 23464 EBASE OPERATOR Sources Sources

Basia transparent Sorvices TRANSPORTER NAME & ADDRESS

DESCRIPTION OF WASTE

Non-Hazardous Hydrocarbons

YDS

178

QUANTITY

PACILITY CONTACT:

SIGNATURE OF CONTACT

DATE

50

CELL NUMBER MATERIAL PLACED IN: Leyen

NAME OF TRANSPORTER (DRIVER)

STGNATURE OF DRIVER

3/12/13 DATE

DISPOSAL SITE South Monument Surface Waste Facility South Monument Surface Waste Facility Sobbe, MM 88241-0418 SISS T208 R36E N/2 NS/4

N/2 N3/4 S25/2205/R36E 575-390-3665 CELL 575-391-8391 HOUZ

As a condition of adouptance for disposal. I hereby cartify that this waits is an example age to the favirant production Agency (1878). The Marks are: generated from oil and gas exploration and production operations; example from Resource conservation and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-

Analytical Report 298016

for

Southern Union Gas Services-Jal

Project Manager: Tony Savoie

Eumont Tank BGT 002

25-FEB-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers: Houston, TX T104704215

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Norcross(Atlanta), GA E87429

South Carolina certification numbers: Norcross(Atlanta), GA 98015

North Carolina certification numbers: Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America Midland - Corpus Christi - Atlanta





25-FEB-08

Project Manager: Tony Savoie Southern Union Gas Services-Jal

610 Commerce Jal, NM 88252

Reference: XENCO Report No: 298016

Eumont Tank

Project Address: Lea County, NM

Tony Savoie:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 298016. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 298016 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 298016



Southern Union Gas Services-Jal, Jal, NM

Eumont Tank

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
A Floor	S	Feb-19-08 09:30	10 ft	298016-001
B Floor	S	Feb-19-08 09:35	10 ft	298016-002
C Floor	S	Feb-19-08 09:40	10 ft	298016-003
D Floor	S	Feb-19-08 09:45	10 ft	298016-004
E Floor	S	Feb-19-08 09:55	10 ft	298016-005
North Wall	S	Feb-19-08 10:00	5 ft	298016-006
South Wall	S	Feb-19-08 10:10	5 ft	298016-007
East Wall	S	Feb-19-08 10:15	5 ft	298016-008
West Wall	S	Feb-19-08 10:25	5 ft	298016-009

Project Name: Eumont Tank

Project Id: BGT 002

Contact: Tony Savoie

Project Location: Lea County, NM

Date Received in Lab: Wed Feb-20-08 01:45 pm

Report Date: 25-FEB-08

П	
Barron,	
Brent	
Manager:	
Project	

					Project Manager:	Brent Barron, II	
	Lab Id:	298016-001	298016-002	298016-003	298016-004	298016-005	298016-006
Amalucie Donnoctod	Field Id:	A Floor	B Floor	C Floor	D Floor	E Floor	North Wall
Anutysis Mequesicu	Depth:	10- ft	10- ft	10- ft	10- ft	10- ft	5- ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Feb-19-08 09:30	Feb-19-08 09:35	Feb-19-08 09:40	Feb-19-08 09:45	Feb-19-08 09:55	Feb-19-08 10:00
BTEX by EPA 8021	Extracted:					Feb-21-08 10:48	
S. C.	Analyzed:					Feb-22-08 14:21	
	Units/RL:					mg/kg RL	
Benzene						ND 0.0011	
Toluene						ND 0.0023	
Ethylbenzene						0.0038 0.0011	
m,p-Xylenes						0.0057 0.0023	
o-Xylene						0.0072 0.0011	
Xylenes, Total						0.0129	
Total BTEX						0.0167	
Determination of Inorganic Anions	Extracted:						
per Ion Chromatography by	Analyzed:					Feb-21-08 11:15	
	Units/RL:					mg/kg RL	
Chloride						429 11.5	
Percent Moisture	Extracted:						
	Analyzed:	Feb-20-08 17:00	Feb-20-08 17:00	Feb-20-08 17:00	Feb-20-08 17:00	Feb-20-08 17:00	Feb-20-08 17:00
	Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		8.6	6.64	5.17	7.33	12.8	11.3
TPH by SW8015 Mod	Extracted:	Feb-20-08 16:47	Feb-20-08 16:47	Feb-20-08 16:47	Feb-20-08 16:47	Feb-20-08 16:47	Feb-20-08 16:47
	Analyzed:	Feb-20-08 17:54	Feb-20-08 18:19	Feb-20-08 18:45	Feb-20-08 19:12	Feb-20-08 20:04	Feb-20-08 20:30
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons		ND 16.4	ND 16.1	ND 15.8	ND 16.2	ND 17.2	ND 16.9
C12-C28 Diesel Range Hydrocarbons		ND 16.4	ND 16.1	ND 15.8	ND 16.2	ND 17.2	ND 16.9
C28-C35 Oil Range Hydrocarbons		ND 16.4	ND 16.1	ND 15.8	ND 16.2	ND 17.2	ND 16.9
Total TPH		ND	ND	ND	ND	ND	ND

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data breeby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Since 1990

Brent Barron Odessa Laboratory Director

Project Name: Eumont Tank

Contact: Tony Savoie

Project Id: BGT 002

Project Location: Lea County, NM

Report Date: 25-FEB-08

Date Received in Lab: Wed Feb-20-08 01:45 pm

Barron,	
Brent	
Manager:	
roject	

	Lab Id:	298016-007		298016-008	298016-009	
hopound Simple	Field Id:	South Wall		East Wall	West Wall	
Thursday Neducina	Depth:	5- ft		5- ft	5- ft	
	Matrix:	SOIL		SOIL	SOIL	
	Sampled:	Feb-19-08 10:10	10	Feb-19-08 10:15	Feb-19-08 10:25	
Percent Moisture	Extracted:					
	Analyzed:	Feb-20-08 17:00	00	Feb-20-08 17:00	Feb-20-08 17:00	
	Units/RL:	%	RL	% RL	% RL	
Percent Moisture		9.27		5.35	10.4	
TPH by SW8015 Mod	Extracted:	Feb-20-08 16:47	47	Feb-20-08 16:47	Feb-20-08 16:47	
200	Analyzed:	Feb-20-08 20:56	99	Feb-20-08 21:22	Feb-20-08 21:49	
	Units/RL:	mg/kg	RL	mg/kg RL	mg/kg RL	
C6-C12 Gasoline Range Hydrocarbons		ND	16.5	16.8 15.8	ND 16.7	
C12-C28 Diesel Range Hydrocarbons		ND	16.5	110 15.8	ND 16.7	
C28-C35 Oil Range Hydrocarbons		ND	16.5	ND 15.8	ND 16.7	
Total TPH		ND		126.8	ND	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Odessa Laboratory Director

XENCO Laboratories

Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- * Outside XENCO'S scope of NELAC Accreditation

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9701 Harry Hines Blvd, Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
2505 N. Falkenburg Rd., Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
6017 Financial Dr., Norcross, GA 30071	(770) 449-8800	(770) 449-5477



Project Name: Eumont Tank



Work Order #: 298016

Lab Batch #: 715397

Sample: 298016-005 / SMP

Project ID: BGT 002

Batch:

Matrix: Soil

Units: mg/kg	SU	RROGATE RE	ECOVERY	STUDY	
BTEX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0328	0.0300	109	80-120	
4-Bromofluorobenzene	0.0679	0.0300	226	80-120	**

Lab Batch #: 715397

Sample: 505003-1-BKS / BKS

Batch: 1

Matrix: Solid

Units: mg/kg	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes		,	[D]		
1,4-Difluorobenzene	0.0290	0.0300	97	80-120	
4-Bromofluorobenzene	0.0296	0.0300	99	80-120	

Lab Batch #: 715397

Sample: 505003-1-BLK / BLK

Batch:

Matrix: Solid

Units: mg/kg	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0318	0.0300	106	80-120	
4-Bromofluorobenzene	0.0321	0.0300	107	80-120	

Lab Batch #: 715397

Sample: 505003-1-BSD / BSD

Batch: 1

Matrix: Solid

Units: mg/kg	SU	SURROGATE RECOVERY STUDY					
BTEX by EPA 8021	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
Analytes			[D]				
1,4-Difluorobenzene	0.0293	0.0300	98	80-120			
4-Bromofluorobenzene	0.0287	0.0300	96	80-120			

Lab Batch #: 715236

Sample: 297960-002 S / MS

Batch:

Matrix: Soil

Units: mg/kg	SURROGATE RECOVERY STUDY				
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	126	100	126	70-135	
o-Terphenyl	56.7	50.0	113	70-135	

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank



Work Order #: 298016

Lab Batch #: 715236

Sample: 297960-002 SD / MSD

Project ID: BGT 002

Batch:

Matrix: Soil

Units: mg/kg	SURROGATE RECOVERY STUDY				
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	119	100	119	70-135	
o-Terphenyl	53.1	50.0	106	70-135	

Lab Batch #: 715236

Sample: 298016-001 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg	SURROGATE RECOVERY STUDY				
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	110	100	110	70-135	
o-Terphenyl	58.1	50.0	116	70-135	

Lab Batch #: 715236

Sample: 298016-002 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg	SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1-Chlorooctane	98.7	100	99	70-135		
o-Terphenyl	52.1	50.0	104	70-135		

Lab Batch #: 715236

Sample: 298016-003 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg	SU	SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
Analytes			[D]				
1-Chlorooctane	107	100	107	70-135			
o-Terphenyl	56.9	50.0	114	70-135			

Lab Batch #: 715236

Sample: 298016-004 / SMP

Batch:

Matrix: Soil

Units: mg/kg SURROGATE RECOVERY STUDY				STUDY	
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	101	100	101	70-135	
o-Terphenyl	53.1	50.0	106	70-135	

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank



Work Order #: 298016

Lab Batch #: 715236

Sample: 298016-005 / SMP

Batch:

Project ID: BGT 002

Matrix: Soil

Units: mg/kg SURROGATE RECOVERY STUDY Amount True Control TPH by SW8015 Mod Found Amount Recovery Limits Flags [B] %R %R [A] [D] **Analytes** 1-Chlorooctane 101 100 101 70-135

52.8

Lab Batch #: 715236

o-Terphenyl

Sample: 298016-006 / SMP

Batch:

50.0

1

Matrix: Soil

106

70-135

SURROGATE RECOVERY STUDY Units: mg/kg Amount True Control TPH by SW8015 Mod **Found** Amount Recovery Limits Flags [B] %R %R [A] [D] **Analytes** 1-Chlorooctane 102 100 102 70-135 o-Terphenyl 54.0 50.0 108 70-135

Lab Batch #: 715236

Sample: 298016-007 / SMP

Batch:

Matrix: Soil

Units: mg/kg	SU	SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
Analytes			[D]				
1-Chlorooctane	102	100	102	70-135			
o-Terphenyl	53.5	50.0	107	70-135			

Lab Batch #: 715236

Sample: 298016-008 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg SURROGATE RECOVERY STUDY TPH by SW8015 Mod Amount True Control **Found** Recovery Limits Flags Amount [A] [B] %R %R [D] **Analytes** 1-Chlorooctane 97.6 100 98 70-135 o-Terphenyl 51.5 50.0 103 70-135

Lab Batch #: 715236

Sample: 298016-009 / SMP

Batch:

Matrix: Soil

SURROGATE RECOVERY STUDY Units: mg/kg Amount True Control TPH by SW8015 Mod **Found** Amount Recovery Limits Flags %R %R [B] [A] [D] **Analytes** 1-Chlorooctane 103 100 103 70-135 o-Terphenyl 70-135 54.8 50.0 110

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank



Work Order #: 298016

Lab Batch #: 715236

Sample: 504930-1-BKS / BKS

Batch:

Project ID: BGT 002 Matrix: Solid

Units: mg/kg SURROGATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	116	100	116	70-135	
o-Terphenyl	52.1	50.0	104	70-135	

Lab Batch #: 715236

Sample: 504930-1-BKS / BSD

Batch: 1

Matrix: Solid

Units: mg/kg SURROGATE RECOV					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	115	100	115	70-135	
o-Terphenyl	51.6	50.0	103	70-135	

Lab Batch #: 715236

Sample: 504930-1-BLK / BLK

Batch: 1

Matrix: Solid

Units: mg/kg	SU	RROGATE RE	ECOVERY	STUDY	
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	108	100	108	70-135	
o-Terphenyl	56.9	50.0	114	70-135	

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Blank Spike Recovery



Project Name: Eumont Tank

Work Order #: 298016

Project ID:

BGT 002

Lab Batch #: 715436

Sample: 715436-1-BKS

Matrix: Solid

Date Analyzed: 02/21/2008

Date Prepared: 02/21/2008

Analyst: LATCOR

Reporting Units: mg/kg

Batch # 1 RLANK /RLANK SPIKE RECOVERY STUDY

Reporting Onics. Ing/kg	iten #: 1	DLANK/D	LANK SPI	KE KEC	OVERT	STUDI
Determination of Inorganic Anions per Ion Chro	Result	Spike Added	Blank Spike	Blank Spike	Control Limits	Flags
Analytes	[A]	[B]	Result [C]	%R [D]	%R	
Chloride	ND	10.0	9.64	96	75-125	



BS / BSD Recoveries



Project Name: Eumont Tank

Work Order #: 298016

Lab Batch ID: 715397 Analyst: SHE

Sample: 505003-1-BKS

Date Analyzed: 02/22/2008 Project ID: BGT 002

Matrix: Solid

Date Prepared: 02/21/2008 Batch #: 1

Units: mg/kg		BLANI	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	PIKE / B	LANKS	PIKE DUPL	ICATE I	RECOVE	RY STUD	Y	
BTEX by EPA 8021	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[6]				
Benzene	ND	0.1000	9060.0	16	0.1	0.0890	68	2	70-130	35	
Toluene	ND	0.1000	0.0902	06	0.1	0.0885	68	2	70-130	35	
Ethylbenzene	ND	0.1000	0.0913	91	0.1	0.0892	68	2	71-129	35	
m,p-Xylenes	ND	0.2000	0.1820	91	0.2	0.1778	68	2	70-135	35	
o-Xylene	ND	0.1000	0.0973	6	0.1	0.0941	94	3	71-133	35	
Analyst: SHE	Da	te Prepare	Date Prepared: 02/20/2008	80			Date Ar	nalyzed: 0	Date Analyzed: 02/20/2008		

Date Prepared: 02/20/2008 Batch #: 1 Sample: 504930-1-BKS Lab Batch ID: 715236 Analyst: SHE

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY Units: mg/kg

Matrix: Solid

Units:g.ve											
TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[C]				
C6-C12 Gasoline Range Hydrocarbons	ND	1000	920	92	1000	901	06	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	837	84	1000	817	82	2	70-135	35	

Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes Relative Percent Difference RPD = 200*|(D-F)/(D+F)|



Form 3 - MS Recoveries

Project Name: Eumont Tank



Work Order #: 298016

Lab Batch #: 715436

Date Analyzed: 02/21/2008

Project ID: BGT 002

Date Prepared: 02/21/2008

Analyst: LATCOR

QC- Sample ID: 298016-005 S

Batch #:

Matrix: Soil

Reporting Units: mg/kg	MATE	RIX / MA	TRIX SPIKE	RECOV	VERY STU	DY
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	429	229	682	110	75-125	



Form 3 - MS / MSD Recoveries

Project Name: Eumont Tank



Work Order #: 298016

Lab Batch ID: 715236

Date Analyzed: 02/20/2008

QC- Sample ID: 297960-002 S

Batch #:

1 Matrix: Soil

Project ID: BGT 002

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ceporting Units: mg/kg		M	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	[/MAT	SIX SPIF	KE DUPLICA	TE REC	OVERY S	STUDY		
TPH by SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Spiked Sample		Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
C6-C12 Gasoline Range Hydrocarbons	ND	1070	1040	26	1070	086	92	5	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1070	926	68	1070	901	84	9	70-135	35	



Sample Duplicate Recovery



Project Name: Eumont Tank

Work Order #: 298016

Lab Batch #: 715436

Date Analyzed: 02/21/2008

Project ID: BGT 002

Date Prepared: 02/21/2008

Analyst: LATCOR

QC- Sample ID: 298016-005 D

Batch #:

Matrix: Soil

Reporting Units: mg/kg	SAMPLE	SAMPLE	DUPLIC	ATE REC	OVERY
	Parent Sample Result [A]		RPD	Control Limits %RPD	Flag
Chloride	429	439	2	20	

Lab Batch #: 715262

Date Analyzed: 02/20/2008

Date Prepared: 02/20/2008

Analyst: JLG

QC- Sample ID: 297960-001 D

Batch #:

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY

Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	6.51	6.20	5	20	

Environmental Lab of Texas

12600 West I-20 East Odessa, Texas 79765

CHAIN OF CUSTODY REC

	Project Manager:	Tony Savoie			PAGE 01 OF	F 01									١	Project
	Company Name	Southern Union Gas													1	Ā
	Company Address:	SUGS, Jal													1	Proje
	City/State/Zip:	Jal, New Mexico 88252													ı	
	Telephone No:	(575) 631-9376				Fax No:									Repo	Report Fo
	Sampler Signature:	Bolly Blucker	Joseph			e-mail:	•	O CO	tony.savoie@sug.com	VO.	6	Suc	9.0	E		L
(lab use only)	1	0														
ORDER #:	2980	91							rese	rvati	on &	jo #	Cont	Preservation & # of Containers	s Matrix	89
LAB # (Isb use only)	1913	FIELD CODE	Beginning Depth	Ending Depth	Dale Sampled	Time Sampled	Field Filtered	Total #. of Containers	HNO ³	HCI	⁵OS ^z H	HOeN	² O ₂ S ₂ bN	None (Specify)	CW = Croundwater SL=SolvSol Other (Specify)	NP - Non-Potable Specify Oth TPH: 418.1 8015M 801
-	AF	A FLOOR		10.	19 Feb 08	0830		+	×	_					SOIL	×
2	8	FLOOR		10.	19-Feb-08	0935		+	×					\vdash	SOIL	
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7	D	D FLOOR		10,	19-Feb-08	0945		=	×	_	\Box			-	SOIL	×
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و	NOR	NORTH WALL		5.	19-Feb-08	1000		×	J	\dashv				\dashv	SOIL	×
7	LNOS	SOUTH WALL		5.	19-Feb-08	1010			×	_	\perp		\neg	\dashv	SOIL	×
8	EAS	EAST WALL		5	19-Feb-08	1015			×	_				\dashv	SOIL	×
8	WES	WEST WALL		2	19-Feb-08	1025		-	×	4	\perp		\top	+	SOIL	×
Special	Special Instructions:							\dashv	-		_			\dashv		\dashv
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Religanished by	a Skillum	Syche Stayor	<u>1</u> 2.	5×5	Received by ELOT:	un of	à	1 3						is	2.20.08	F

#1	remperature of container/ cooler?	1 (100)	INO	1 4.0	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	X9S)	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	es	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	
		THE R. P. LEWIS CO., LANSING, SPICE			No. of Contract of

Variance Documentation

Contact:		Contacted by:	Date/ Time:	
Regarding:				
Corrective Action Taker	n:			
Check all that Apply:		See attached e-mail/ fax Client understands and would like Cooling process had begun short	•	

PERMIAN BASIN ENVIRONMENTAL LAB, LP 10014 SCR 1213 Midland, TX 79706



Analytical Report

Prepared for:

Joel Lowry
Basin Environmental Services
P.O. Box 301
Lovington, NM 88260

Project: Eumont Tank Battery (RP 1799)
Project Number: SUG Historical Release
Location: Lea County, New Mexico

Lab Order Number: 2H24007



NELAP/TCEQ # T104704156-12-1

Report Date: 08/29/12

Project: Eumont Tank Battery (RP 1799)

P.O. Box 301

Project Number: SUG Historical Release

Fax: (505) 396-1429

Lovington NM, 88260

Project Manager: Joel Lowry

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TT-1 @ 10'	2H24007-01	Soil	08/22/12 10:30	08-24-2012 13:50
TT-1 @ 16'	2H24007-02	Soil	08/22/12 10:50	08-24-2012 13:50
TT-2 West	2H24007-03	Soil	08/22/12 11:30	08-24-2012 13:50
TT-2 East	2H24007-04	Soil	08/22/12 11:15	08-24-2012 13:50
TT-3 @ 8'	2H24007-05	Soil	08/22/12 12:00	08-24-2012 13:50
TT-4 @ 7'	2H24007-06	Soil	08/22/12 12:40	08-24-2012 13:50
TT-1 @ 3'	2H24007-07	Soil	08/22/12 10:10	08-24-2012 13:50

P.O. Box 301

Lovington NM, 88260

Project: Eumont Tank Battery (RP 1799)

Project Number: SUG Historical Release

Project Manager: Joel Lowry

Organics by GC

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Dil. di-	Detail	Dean	Auri	Made -1	M
TT-1 @ 10' (2H24007-01) Soil	Result	Limit	Ollits	Dilution	Batch	Prepared	Analyzed	Method	Note
		0.0000						ED LOGGED	
Benzene	ND	0.0200	mg/kg dry	20	EH22804	08/26/12	08/27/12	EPA 8021B	
Toluene	ND	0.0400			"		"		
Ethylbenzene	0.233	0.0200	"	"	"	"	"		
Xylene (p/m)	0.805	0.0400		"	"	"	"		
Xylene (o)	0.714	0.0200	"	"	"	**	"		
Surrogate: 4-Bromofluorobenzene		88.2 %	75-1		"	"	"	"	
Surrogate: 1,4-Difluorobenzene		93.3 %	75-1		"	"	"	"	
C6-C12	731	16.5	mg/kg dry	"	EH22805	08/27/12	08/27/12	EPA 8015M	
>C12-C28	5480	16.5	"	"	"	"	"	"	
>C28-C35	971	16.5		"	"	"	"	"	
Total Hydrocarbons	7180	16.5	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		105 %	70-1	30	"	"	"	"	
Surrogate: o-Terphenyl		93.6 %	70-1	30	n	"	"	n	
TT-1 @ 16' (2H24007-02) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EH22901	08/28/12	08/28/12	EPA 8021B	
Toluene	ND	0.00200	**	"	**	"		"	
Ethylbenzene	0.00641	0.00100	"	**	"	"	**	"	
Xylene (p/m)	0.0237	0.00200	"	"	"	"	"	"	
Xylene (o)	0.0115	0.00100	"	**	"	"		"	
Surrogate: 4-Bromofluorobenzene		106 %	75-1	25	"	"	"	"	
Surrogate: 1,4-Difluorobenzene		100 %	75-1	25	"	"	"	"	
C6-C12	149	16.5	mg/kg dry	"	EH22805	08/27/12	08/27/12	EPA 8015M	
>C12-C28	3220	16.5	"	"		"			
>C28-C35	625	16.5	**		**	"		**	
Total Hydrocarbons	3990	16.5	"	"	"		"	"	
Surrogate: 1-Chlorooctane		107 %	70-1	30	"	"	"	"	
Surrogate: o-Terphenyl		102 %	70-1	30	"	"	"	"	
TT-2 West (2H24007-03) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EH22804	08/26/12	08/27/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"		
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	"	"	n	"	
Surrogate: 4-Bromofluorobenzene		101 %	75-1	25	"	"	"	"	
C6-C12	ND		mg/kg dry	"	EH22706	08/24/12	08/25/12	EPA 8015M	

Permian Basin Environmental Lab

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Fax: (505) 396-1429

Lovington NM, 88260

Project: Eumont Tank Battery (RP 1799)

P.O. Box 301

Project Number: SUG Historical Release

Project Manager: Joel Lowry

Fax: (505) 396-1429

Organics by GC Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Dranarad	Anglygad	Method	No
ΓT-2 West (2H24007-03) Soil	Result	Limit	Omts	Dilution	Batch	Prepared	Analyzed	Method	No
				4					
>C12-C28	ND	15.8	mg/kg dry	1	EH22706	08/24/12	08/25/12	EPA 8015M	
>C28-C35	ND	15.8	"	**	"		"		
Total Hydrocarbons	ND	15.8	"	"	**	"	"	"	
Surrogate: 1-Chlorooctane		112 %	70-1	30	"	"	"	"	
Surrogate: o-Terphenyl		119 %	70-130		"	"	"	"	
TT-2 East (2H24007-04) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EH22804	08/26/12	08/27/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	**	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"		
Surrogate: 1,4-Difluorobenzene		119 %	75-1	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75-1	25	"	"	"	"	
C6-C12	361	81.5	mg/kg dry	5	EH22706	08/24/12	08/25/12	EPA 8015M	
>C12-C28	24900	81.5	"	"	"	"		"	
>C28-C35	3870	81.5	"	"	**	"		"	
Total Hydrocarbons	29200	81.5	**	**	"	"	"	"	
Surrogate: 1-Chlorooctane		107 %	70-1	30	"	"	"	"	
Surrogate: o-Terphenyl		127 %	70-1	30	"	"	"	"	
TT-3 @ 8' (2H24007-05) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EH22804	08/26/12	08/27/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	**	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	**	"	"	"		
Xylene (o)	ND	0.00100	"	**		"	"	"	
Surrogate: 1,4-Difluorobenzene		104 %	75-1	25	п	"	"	n	
Surrogate: 4-Bromofluorobenzene		97.0 %	75-1	25	"	"	"	"	
C6-C12	ND	15.6	mg/kg dry	"	EH22706	08/24/12	08/25/12	EPA 8015M	
>C12-C28	ND	15.6	"	"	"	"	"	*	
>C28-C35	ND	15.6	"	"	"	"	"	"	
Total Hydrocarbons	ND	15.6	"	"	"	"	"	*	
Surrogate: 1-Chlorooctane		104 %	70-1	30	"	"	"	"	
Surrogate: o-Terphenyl		112 %	70-1		"	"	"	"	

P.O. Box 301

Lovington NM, 88260

Project: Eumont Tank Battery (RP 1799)

Project Number: SUG Historical Release

Project Manager: Joel Lowry

Organics by GC

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TT-4 @ 7' (2H24007-06) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EH22804	08/26/12	08/27/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	**	"		"	
Xylene (p/m)	ND	0.00200		**	"	"	"		
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: 1,4-Difluorobenzene		102 %	75-1	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	75-1	25	"	"	"	"	
C6-C12	ND	15.5	mg/kg dry	"	EH22706	08/24/12	08/25/12	EPA 8015M	
>C12-C28	ND	15.5	"	**	"	"	"	"	
>C28-C35	ND	15.5	н	"	"	"	"		
Total Hydrocarbons	ND	15.5	"	**	"	"	**	"	
Surrogate: 1-Chlorooctane		109 %	70-1	30	"	"	"	"	
Surrogate: o-Terphenyl		115 %	70-1	30	"	"	"	"	
TT-1 @ 3' (2H24007-07) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EH22804	08/26/12	08/27/12	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"		
Surrogate: 1,4-Difluorobenzene		106 %	75-1	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.8 %	75-1	25	"	"	"	"	
C6-C12	ND	15.3	mg/kg dry	**	EH22805	08/27/12	08/27/12	EPA 8015M	
>C12-C28	725	15.3	"	"	**	"	"	"	
>C28-C35	324	15.3	"	"	"	"	"	"	
Total Hydrocarbons	1050	15.3	"	"	н	"	н	"	4.
Surrogate: 1-Chlorooctane		108 %	70-1	30	"	"	"	"	
Surrogate: o-Terphenyl		105 %	70-1	30	"	"	"	"	

Fax: (505) 396-1429

P.O. Box 301

Lovington NM, 88260

Project: Eumont Tank Battery (RP 1799)

Project Number: SUG Historical Release

Project Manager: Joel Lowry

Fax: (505) 396-1429

General Chemistry Parameters by EPA / Standard Methods Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TT-1 @ 10' (2H24007-01) Soil									
Chloride	12.9	1.10	mg/kg dry wt. dry	1	EH22705	08/26/12	08/27/12	EPA 300.0	
% Moisture	9.0	0.1	%	"	EH22702	08/24/12	08/27/12	% calculation	
TT-1 @ 16' (2H24007-02) Soil									
Chloride	7.60	1.10	mg/kg dry wt. dry	1	EH22705	08/26/12	08/27/12	EPA 300.0	
% Moisture	9.0	0.1	%	"	EH22702	08/24/12	08/27/12	% calculation	
TT-2 West (2H24007-03) Soil									
Chloride	10.8	1.05	mg/kg dry wt. dry	1	EH22705	08/26/12	08/27/12	EPA 300.0	
% Moisture	5.0	0.1	%	"	EH22702	08/24/12	08/27/12	% calculation	
TT-2 East (2H24007-04) Soil									
Chloride	8.90	1.09	mg/kg dry wt. dry	1	EH22705	08/26/12	08/27/12	EPA 300.0	
% Moisture	8.0	0.1	%	"	EH22702	08/24/12	08/27/12	% calculation	
TT-3 @ 8' (2H24007-05) Soil									
Chloride	135	1.04	mg/kg dry wt. dry	1	EH22705	08/26/12	08/27/12	EPA 300.0	
% Moisture	4.0	0.1	%	"	EH22702	08/24/12	08/27/12	% calculation	
TT-4 @ 7' (2H24007-06) Soil									
Chloride	7.48	1.03	mg/kg dry wt. dry	1	EH22705	08/26/12	08/27/12	EPA 300.0	
% Moisture	3.0	0.1	%		EH22702	08/24/12	08/27/12	% calculation	
TT-1 @ 3' (2H24007-07) Soil									
Chloride	1.46	1.02	mg/kg dry wt. dry	1	EH22705	08/26/12	08/27/12	EPA 300.0	
% Moisture	2.0	0.1	%	"	EH22702	08/24/12	08/27/12	% calculation	

Project: Eumont Tank Battery (RP 1799)

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Lovington NM, 88260

Project Number: SUG Historical Release

D. L. M. Lad I

Project Manager: Joel Lowry

Organics by GC - Quality Control Permian Basin Environmental Lab

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EH22706 - 8015M										
Blank (EH22706-BLK1)				Prepared &	Analyzed	: 08/24/12				
C6-C12	ND	15.0	mg/kg wet							
>C12-C28	ND	15.0	"							
>C28-C35	ND	15.0	"							
Total Hydrocarbons	ND	15.0	"							
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	60.2		"	50.0		120	70-130			
LCS (EH22706-BS1)				Prepared &	Analyzed	: 08/24/12				
C6-C12	779	15.0	mg/kg wet	1000		77.9	75-125			
C12-C28	804	15.0		1000		80.4	75-125			
>C28-C35	ND	15.0	"	0.00			75-125			
Total Hydrocarbons	ND	15.0	"	0.00			75-125			
Surrogate: 1-Chlorooctane	129		"	100		129	70-130			
Surrogate: o-Terphenyl	53.5		"	50.0		107	70-130			
LCS Dup (EH22706-BSD1)				Prepared &	Analyzed	: 08/24/12				
C6-C12	840	15.0	mg/kg wet	1000		84.0	75-125	7.54	20	
>C12-C28	865	15.0	"	1000		86.5	75-125	7.31	20	
Total Hydrocarbons	ND	15.0	"	0.00			75-125		20	
Surrogate: 1-Chlorooctane	130		"	100		130	70-130			
Surrogate: o-Terphenyl	55.8		"	50.0		112	70-130			
Matrix Spike (EH22706-MS1)	Sou	rce: 2H23002	2-01	Prepared: 0	8/24/12 A	nalyzed: 08	/25/12			
C6-C12	864	15.8	mg/kg dry	1050	ND	82.3	75-125			
>C12-C28	977	15.8	"	1050	ND	93.0	75-125			
>C28-C35	ND	15.8	,,	0.00	ND		75-125			
Total Hydrocarbons	ND	15.8	"	0.00	ND		75-125			
Surrogate: 1-Chlorooctane										
Surrogate: 1-Chioroociane	135		"	105		129	70-130			

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Project: Eumont Tank Battery (RP 1799)

Spike

Source

%REC

Project Number: SUG Historical Release

Project Manager: Joel Lowry

Fax: (505) 396-1429

RPD

Reporting

Organics by GC - Quality Control Permian Basin Environmental Lab

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EH22706 - 8015M										
Matrix Spike Dup (EH22706-MSD1)	Sou	rce: 2H23002	2-01	Prepared: 0	08/24/12 A	nalyzed: 08	/25/12			
C6-C12	847	15.8	mg/kg dry	1050	ND	80.7	75-125	1.96	20	
>C12-C28	883	15.8	"	1050	ND	84.1	75-125	10.1	20	
Total Hydrocarbons	ND	15.8	**	0.00	ND		75-125		20	
Surrogate: 1-Chlorooctane	132		"	105		126	70-130			
Surrogate: o-Terphenyl	53.9		"	52.6		102	70-130			
Batch EH22804 - General Preparation (C	GC)									
Blank (EH22804-BLK1)		Prepared: 08/26/12 Analyzed: 08/27/12								
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	62.3		ug/kg	60.0		104	75-125			
Surrogate: 1,4-Difluorobenzene	60.3		"	60.0		100	75-125			
LCS (EH22804-BS1)				Prepared: 0	08/26/12 A	nalyzed: 08	/27/12			
Benzene	0.114	0.00100	mg/kg wet	0.100		114	80-120			
Γoluene	0.119	0.00200	"	0.100		119	80-120			
Ethylbenzene	0.0991	0.00100	"	0.100		99.1	80-120			
Xylene (p/m)	0.194	0.00200	"	0.200		97.0	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 1,4-Difluorobenzene	59.6		ug/kg	60.0		99.3	75-125			
Surrogate: 4-Bromofluorobenzene	60.9		"	60.0		102	75-125			
LCS Dup (EH22804-BSD1)				Prepared: 0	08/26/12 A	nalyzed: 08	/27/12			
Benzene	0.117	0.00100	mg/kg wet	0.100		117	80-120	2.60	20	
Toluene	0.119	0.00200	"	0.100		119	80-120	0.00	20	
Ethylbenzene	0.102	0.00100	н	0.100		102	80-120	2.88	20	
Xylene (p/m)	0.199	0.00200	"	0.200		99.5	80-120	2.54	20	
Xylene (o)	0.105	0.00100	"	0.100		105	80-120	1.92	20	
Surrogate: 1,4-Difluorobenzene	59.2		ug/kg	60.0		98.7	75-125			
Surrogate: 4-Bromofluorobenzene	59.8		"	60.0		99.7	75-125			

Project: Eumont Tank Battery (RP 1799)

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Lovington NM, 88260

Project Number: SUG Historical Release

Project Manager: Joel Lowry

Organics by GC - Quality Control Permian Basin Environmental Lab

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch EH22804	- General P	reparation (GC)
---------------	-------------	----------------	---

Matrix Spike (EH22804-MS1)	Sour	ce: 2H24007	-04	Prepared: 0	8/26/12	Analyzed: 08	3/27/12			
Benzene	0.0367	0.00100	mg/kg dry	0.109	ND	33.7	80-120			QM-05
Toluene	0.0282	0.00200	"	0.109	ND	25.9	80-120			QM-05
Ethylbenzene	0.0223	0.00100	**	0.109	ND	20.5	80-120			QM-05
Xylene (p/m)	0.0384	0.00200	"	0.217	ND	17.7	80-120			QM-05
Xylene (o)	0.0200	0.00100	"	0.109	ND	18.3	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	57.5		ug/kg	60.0		95.8	75-125			
Surrogate: 1,4-Difluorobenzene	74.9		"	60.0		125	75-125			
Matrix Spike Dup (EH22804-MSD1)	Sour	ce: 2H24007	-04	Prepared: 08/26/12 Analyzed: 0		Analyzed: 08	3/27/12			
Benzene	0.0367	0.00100	mg/kg dry	0.109	ND	33.7	80-120	0.00	20	QM-05
Toluene	0.0305	0.00200	"	0.109	ND	28.0	80-120	7.79	20	QM-05
Ethylbenzene	0.0214	0.00100	"	0.109	ND	19.6	80-120	4.49	20	QM-05
Xylene (p/m)	0.0359	0.00200	"	0.217	ND	16.5	80-120	7.02	20	QM-05

0.109

60.0

60.0

ND

16.0

99.2

113

80-120

75-125

75-125

13.4

20

QM-05

0.0174

59.5

67.6

0.00100

Batch EH22805 - TX 1005

Surrogate: 4-Bromofluorobenzene

Surrogate: 1,4-Difluorobenzene

Xylene (o)

Blank (EH22805-BLK1)		Prepared & Analyzed: 08/27/12									
C6-C12	ND	15.0	mg/kg wet								
>C12-C28	ND	15.0	"								
>C28-C35	ND	15.0	"								
Total Hydrocarbons	ND	15.0	"								
Surrogate: 1-Chlorooctane	123		"	100	123	70-130					
Surrogate: o-Terphenyl	57.9		"	50.0	116	70-130					

ug/kg

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Project: Eumont Tank Battery (RP 1799)

Project Number: SUG Historical Release

Project Manager: Joel Lowry

Organics by GC - Quality Control Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH22805 - TX 1005										
LCS (EH22805-BS1)				Prepared &	Analyzed:	08/27/12				
C6-C12	931	15.0	mg/kg wet	1000		93.1	75-125			
>C12-C28	981	15.0	"	1000		98.1	75-125			
Total Hydrocarbons	ND	15.0	"	0.00			75-125			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	63.4		"	50.0		127	70-130			
LCS Dup (EH22805-BSD1)				Prepared &	Analyzed:	08/27/12				
C6-C12	939	15.0	mg/kg wet	1000		93.9	75-125	0.856	20	
>C12-C28	961	15.0	"	1000		96.1	75-125	2.06	20	
Total Hydrocarbons	ND	15.0	"	0.00			75-125		20	
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	61.7		"	50.0		123	70-130			
Matrix Spike (EH22805-MS1)	Sour	rce: 2H24004	I-01	Prepared &	Analyzed:	08/27/12				
C6-C12	1220	17.9	mg/kg dry	595	460	128	75-125			QM-0
>C12-C28	5590	17.9	"	595	5340	42.0	75-125			QM-0
>C28-C35	770	17.9	"	0.00	940		75-125			
Total Hydrocarbons	ND	17.9	"	0.00	6750		75-125			
Surrogate: 1-Chlorooctane	139		"	119		117	70-130			
Surrogate: o-Terphenyl	68.5		"	59.5		115	70-130			
Matrix Spike Dup (EH22805-MSD1)	Sour	rce: 2H24004	I-01	Prepared &	Analyzed:	08/27/12				
C6-C12	1160	17.9	mg/kg dry	595	460	118	75-125	8.13	20	
>C12-C28	5490	17.9	"	595	5340	25.2	75-125	50.0	20	QM-0
>C28-C35	821	17.9	"	0.00	940		75-125		20	QM-0
Total Hydrocarbons	ND	17.9	"	0.00	6750		75-125		20	
Surrogate: 1-Chlorooctane	138		"	119		116	70-130			
Surrogate: o-Terphenyl	61.5		"	59.5		103	70-130			

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Project: Eumont Tank Battery (RP 1799)

Project Number: SUG Historical Release

Project Manager: Joel Lowry

Fax: (505) 396-1429

Organics by GC - Quality Control Permian Basin Environmental Lab

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Blank (EH22901-BLK1)				Prepared & Anal	yzed: 08/28/12						
Benzene	ND	0.00100	mg/kg wet								
Γoluene	ND	0.00200	"								
Ethylbenzene	ND	0.00100	"								
Xylene (p/m)	ND	0.00200	"								
Xylene (o)	ND	0.00100									
Surrogate: 4-Bromofluorobenzene	60.5		ug/kg	60.0	101	75-125					
Surrogate: 1,4-Difluorobenzene	61.0		"	60.0	102	75-125					
LCS (EH22901-BS1)	Prepared & Analyzed: 08/28/12										
Benzene	0.116	0.00100	mg/kg wet	0.100	116	80-120					
Γoluene	0.119	0.00200	"	0.100	119	80-120					
Ethylbenzene	0.106	0.00100	**	0.100	106	80-120					
Xylene (p/m)	0.209	0.00200	"	0.200	104	80-120					
Xylene (o)	0.105	0.00100	"	0.100	105	80-120					
Surrogate: 4-Bromofluorobenzene	57.2		ug/kg	60.0	95.3	75-125					
Surrogate: 1,4-Difluorobenzene	57.2		"	60.0	95.3	75-125					
LCS Dup (EH22901-BSD1)				Prepared & Anal	yzed: 08/28/12						
Benzene	0.111	0.00100	mg/kg wet	0.100	111	80-120	4.41	20			
Toluene	0.117	0.00200	"	0.100	117	80-120	1.69	20			
Ethylbenzene	0.103	0.00100	"	0.100	103	80-120	2.87	20			
Xylene (p/m)	0.204	0.00200	"	0.200	102	80-120	1.94	20			
Xylene (o)	0.104	0.00100	"	0.100	104	80-120	0.957	20			
Surrogate: 4-Bromofluorobenzene	57.1		ug/kg	60.0	95.2	75-125					
Surrogate: 1,4-Difluorobenzene	56.2		"	60.0	93.7	75-125					

Project: Eumont Tank Battery (RP 1799)

P.O. Box 301

Lovington NM, 88260

Project Number: SUG Historical Release

P. i. M. Isal I amount

Project Manager: Joel Lowry

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source		%REC Limits	RPD	RPD Limit	Notes
Batch EH22705 - *** DEFAULT PREP ***										
Blank (EH22705-BLK1)				Prepared: (08/26/12	Analyzed: (08/27/12			
Chloride	ND	1.00	mg/kg dry wt. wet							
LCS (EH22705-BS1)				Prepared: (08/26/12	Analyzed: (08/27/12			
Chloride	9.63		mg/kg Wet	10.0		96.3	80-120			
LCS Dup (EH22705-BSD1)				Prepared: (08/26/12	Analyzed: (08/27/12			
Chloride	9.95		mg/kg Wet	10.0		99.5	80-120	3.27	20	
Duplicate (EH22705-DUP1)	Sou	rce: 2H24006	5-01	Prepared: (08/26/12	Analyzed: (08/27/12			
Chloride	31.6	1.00	mg/kg dry wt. dry		31.6			0.00	20	
Matrix Spike (EH22705-MS1)	Sou	rce: 2H24006	5-01	Prepared: (08/26/12	Analyzed: (08/27/12			
Chloride	140	1.00	mg/kg dry wt. dry	100	31.6	108	80-120			
Matrix Spike (EH22705-MS2)	Sou	rce: 2H24007	7-04	Prepared: (08/26/12	Analyzed: (08/27/12			
Chloride	108	1.09	mg/kg dry wt. dry	109	8.90	90.9	80-120			

Project: Eumont Tank Battery (RP 1799)

P.O. Box 301

Project Number: SUG Historical Release

Lovington NM, 88260

Project Manager: Joel Lowry

Notes and Definitions

QM-05

The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were

within acceptance limits showing that the laboratory is in control and the data is acceptable.

DET

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

dry

Sample results reported on a dry weight basis

RPD

Relative Percent Difference

LCS

Laboratory Control Spike

MS

Matrix Spike

Dup

Duplicate

	Dren	Darron			
Report Approved By:			Date:	8/29/2012	

0 02

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-661-4184.

P.O. Box 301

Lovington NM, 88260

Project: Eumont Tank Battery (RP 1799)

Project Number: SUG Historical Release

Project Manager: Joel Lowry

## CONTAINERS Fix 87 Signature Sign	# CONTAINERS Female	# CONTAINERS Female	AVALYSIS REQUEST Properties Properties			2 0	S.	1 40	20	190	170		Relinquished by:	quished by:	wholes	omittal of samples
WATER STS-396-1429 Sampler Sampler Stander S	Company: Date: Time: NST Date: Dat	Company: Date: Time: NST Date: Dat	Company: Date: Time: NST NSO NST NST NST NSO NST N	Nironmental Service P.O. 301 Lovington, NM, 883 Stade (SUG) Joel Los Stade (SUG) Joel Los FIELD CODE FIELD CODE		T-1 @ 16°	T-2 (West)	О ¥ П-2 (East)	O5 Π3@8	06 TI-4@7	TT-1@3			2	6867 8-5475	Submittal of samples constitutes agreement to Terms and Condition
WATER Services S	Company: Date: Time: NST Date: Dat	Company: Date: Time: NST Date: Dat	Company: Date: Time: NST NSO NST NST NST NSO NST N	# CONTAINERS OF STATE	# COI			_			_					ORIG ORIG
HCL	HCL	HCL	HCL HNO3 HST HST	Volume/Amount		_						\perp	N. S.	17 g	\ \frac{1}{2}	NAL
HCL	HCL	HCL	HCL HNO3 HST HST	X X X X X X SOIL N Signal disconnection of the state of t	SOIL	××	×	×	×	×	×	+	3	33		УОРУ
HCL	HCL HNO3 HST HSO4 HTHO HSO5 HSO	HCL HNO3 HST HSO4 HTHO HSO5 HSO	HCL HNO3 HEBAN FROM HEBAN HOLD HO	SLUDGE SLUDGE		+			1		_	+	ymagnic	8/1	33	
Company Comp	C	C	NONE	HCL HNO ₃	HNO ₃									00	,	
Company Comp	DATE B	DATE B	DATE	NaOH THRU ATTER TO TO THE BEST OF THE SECOND TO THE BEST OF THE SECOND THREE SECOND	CE	××	×	×	×	×	×		> @	JO 40	R 13.	
				SA SU		20 00	1/8	20	200	100	500	\dashv	OBS IN	COR OBS		
MTBE 8021B/802 / 0260B / 624	MTBE 8021B / 602 / 8260B / 624	MTBE 8021B / 602 / 8260B / 624	MTBE 8021B / 602 / 8260B / 624				1130	7 115	1200	1240	2010	++				
PAH 8270C / 626 C C C C C C C C C	PAH 8270C /628	PAH 8270C /628	PAH 8270C/628	MTBE 8021B / 602 / 8260B / 624 X X X X X X BTEX/8021B / 602 / 8260B / 624	BTEX		×			×	×			Intact Heads	Log-in I	Camer
TCLP Volatiles OF TCLP Semi Volatiles OF TCLP Semi Volatiles OF TCLP Semi Volatiles OF TCLP Semi Volatiles	TCLP Volatiles OF TCLP Semi Volatiles	TCLP Volatiles OF TCLP Semi Volatiles	TCLP Wolatiles OF TCLP Semi Volatiles OF TCLP Semi Volatiles OF TCLP Semi Volatiles		PAH 8	××	×	×	×	×	×		SUBUS	Y/N ace Y/N	Review	1
TCLP Semi Volatiles	TOLP Semi Volatiles	TGLP Semi Volatiles TGLP Semi Volatiles	TOLP Semi Volatiles TOLP Pesticides TOLP P	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B / 200.7 TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles	TCLP								10.00	2		
RCI	RCI	RC GC/MS Vol. 8280B / 624 GC/MS Semi. Vol. 8270C/625 Method Recording to the state of t	RC GC/MS Vol. 8280B / 624 GC/MS Semi. Vol. 8270C/625 Method GC/MS Semi. Vol. 8270C/625 Method GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 Pesticides 8081A / 608 BOD, TSS, pH Moleture Content Molecular Moleture Content Moleture Cont	TCLP Semi Volatiles TCLP Pesticides	TCLP S	+					+	\mp	ENARK			
GC/MS Semi. Vol. 8270C/625 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608	GC/MS Semi. Vol. 8270C/625 Net	GC/MS Semi. Vol. 8270C/625 Ne	GC/MS Semi. Vol. 8270C/625 Net	RCI CC C	GC/MS									y Weight E	neck if Spe	
	Pesticides 8081A/608 BOD, TSS, pH	Pesticides 8081A / 608	Pesticides 80814/608	GC/MS Seml. Vol. 8270C/625 PCB's 8082 / 608	PCB's								6	Sesis Require	idal Repo	

Analytical Report 458450

for Southern Union Gas Services- Monahans

Project Manager: Joel Lowry
Eumont Tank Battery
(1RP-1799)
11-MAR-13

Collected By: Client





12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135) Louisiana (04176), USDA (P330-07-00105)

> Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900) Xenco-Lakeland: Florida (E84098)

> Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757) Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





11-MAR-13

Project Manager: Joel Lowry

Southern Union Gas Services- Monahans

801 South Loop 464 Monahans, TX 79756

Reference: XENCO Report No(s): 458450

Eumont Tank Battery

Project Address: Lea County, NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 458450. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 458450 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully

Nicholas Straccione

Project Manager

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Sample Cross Reference 458450



Southern Union Gas Services- Monahans, Monahans, TX

Eumont Tank Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-1 @ 5'	S	02-25-13 09:30	5 ft	458450-001
SB-1 @ 10'	S	02-25-13 09:40	10 ft	458450-002
SB-1 @ 15'	S	02-25-13 09:50	15 ft	458450-003
SB-1 @ 20'	S	02-25-13 10:00	20 ft	458450-004
SB-1 @ 25'	S	02-25-13 10:10	25 ft	458450-005
SB-1 @ 30'	S	02-25-13 10:20	30 ft	458450-006
SB-1 @ 35'	S	02-25-13 10:30	35 ft	458450-007
SB-1 @ 40'	S	02-25-13 10:40	40 ft	458450-008

CASE NARRATIVE



Client Name: Southern Union Gas Services- Monahans

Project Name: Eumont Tank Battery



Project ID:

(1RP-1799)

Work Order Number(s):

458450

Report Date: 11-MAR-13 Date Received: 02/27/2013

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-908636 BTEX by EPA 8021B

SW8021BM

Batch 908636, Ethylbenzene, m p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike

Samples affected are: 458450-006, -008, -004.

The Laboratory Control Sample for Ethylbenzene, m p-Xylenes , o-Xylene is within laboratory Control

Limits



Project Location: Lea County, NM

Project Id: (1RP-1799) Contact: Joel Lowry

Certificate of Analysis Summary 458450

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Eumont Tank Battery



Date Received in Lab: Wed Feb-27-13 10:20 am

Report Date: 11-MAR-13

					Project Manager: Nicholas Straccione	Nicholas Straccione	
	Lab Id:	458450-001	458450-002	458450-003	458450-004	458450-005	458450-006
Analysis Ponnostod	Field Id:	SB-1 @ 5'	SB-1 @ 10'	SB-1 @ 15'	SB-1 @ 20'	SB-1 @ 25'	SB-1 @ 30'
Thursday Neducestea	Depth:	5- ft	10- ft	15- ft	20- ft	25- ft	30- ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Feb-25-13 09:30	Feb-25-13 09:40	Feb-25-13 09:50	Feb-25-13 10:00	Feb-25-13 10:10	Feb-25-13 10:20
BTEX by EPA 8021B	Extracted:				Mar-08-13 13:10		Mar-08-13 13:10
	Analyzed:				Mar-08-13 16:12		Mar-08-13 16:28
	Units/RL:				mg/kg RL		mg/kg RL
Benzene					0.00945 0.00543		ND 0.00106
Toluene					0.0143 0.0109		ND 0.00213
Ethylbenzene					0.354 0.00543		ND 0.00106
m_p-Xylenes					0.740 0.0109		ND 0.00213
o-Xylene					0.148 0.00543		ND 0.00106
Total Xylenes					0.888 0.00543		ND 0.00106
Total BTEX					1.27 0.00543		ND 0.00106
Inorganic Anions by EPA 300/300.1	Extracted:						
SUB: TX104704215	Analyzed:	Mar-06-13 01:04	Mar-06-13 17:21	Mar-06-13 02:09	Mar-06-13 02:31	Mar-06-13 02:53	Mar-06-13 03:15
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		94.3 10.0	1390 20.0	21.0 10.0	11.5 4.00	13.7 4.00	9.72 4.00
Percent Moisture	Extracted:						
	Analyzed:	Mar-01-13 13:45	Mar-01-13 13:45	Mar-01-13 13:45	Mar-01-13 13:45	Mar-01-13 13:45	Mar-01-13 13:45
	Units/RL:	% RL	% RL	% RL	% RL	% RL	% RL
Percent Moisture		16.1 1.00	0.60 1.00	11.3 1.00	7.97	8.55 1.00	6.44 1.00
TPH By SW8015 Mod	Extracted:	Mar-01-13 08:30	Mar-01-13 08:30	Mar-01-13 08:30	Mar-01-13 08:30	Mar-01-13 16:00	Mar-01-13 16:00
	Analyzed:	Mar-01-13 19:18	Mar-01-13 19:44	Mar-01-13 20:10	Mar-01-13 20:36	Mar-02-13 04:50	Mar-02-13 05:14
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons			594 83.0	740 84.1	374 163	28.5 16.4	ND 16.0
C12-C28 Diesel Range Hydrocarbons		40000 357	6760 83.0	4260 84.1	6140 163	767 16.4	120 16.0
C28-C35 Oil Range Hydrocarbons		4360 357	592 83.0	298 84.1	576 163	68.8 16.4	ND 16.0
Total TPH		46200 357	7950 83.0	5300 84.1	7090 163	864 16.4	120 16.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Nicholas Straccione Project Manager



Project Id: (1RP-1799)

Certificate of Analysis Summary 458450

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Eumont Tank Battery



Date Received in Lab: Wed Feb-27-13 10:20 am

Contact lool Loury				Date Received in Lab:	Date Received in Lab: Wed Feb-27-13 10:20 am	
Project Location: Les County NM				Report Date:	11-MAR-13	
ofer recarron. For county, the				Project Manager:	Nicholas Straccione	
	Lab Id:	458450-007	458450-008			
Processor Description	Field Id:	SB-1 @ 35'	SB-1 @ 40'			
Analysis Nequesieu	Depth:	35- ft	40- ft			
	Matrix:	SOIL	SOIL			
	Sampled:	Feb-25-13 10:30	Feb-25-13 10:40			
BTEX by EPA 8021B	Extracted:		Mar-08-13 13:10			
	Analyzed:		Mar-08-13 16:44			
	Units/RL:		mg/kg RL			
Benzene			ND 0.00104			
Toluene			ND 0.00208			
Ethylbenzene			ND 0.00104			
m_p-Xylenes			ND 0.00208			
o-Xylene			ND 0.00104			
Total Xylenes			ND 0.00104			
Total BTEX			ND 0.00104			
Inorganic Anions by EPA 300/300.1	Extracted:					
SUB: TX104704215	Analyzed:	Mar-06-13 04:20	Mar-06-13 04:41			
	Units/RL:	mg/kg R	RL mg/kg RL			
Chloride			4.00 16.4 4.00			
Percent Moisture	Extracted:					
	Analyzed:	Mar-01-13 13:45	Mar-01-13 13:45			
	Units/RL:	% R	RL % RL			
Percent Moisture		4.91	1.00 3.93 1.00			
TPH By SW8015 Mod	Extracted:	Mar-01-13 16:00	Mar-01-13 16:00			
	Analyzed:	Mar-02-13 05:38	Mar-02-13 06:25			
	Units/RL:	mg/kg R	RL mg/kg RL			
C6-C12 Gasoline Range Hydrocarbons		ND 1:	15.8 ND 15.6			
C12-C28 Diesel Range Hydrocarbons		ND 1:	15.8 ND 15.6			
C28-C35 Oil Range Hydrocarbons		ND 1:	15.8 ND 15.6			

15.6 15.6

N ND

15.8 15.8

ND ND

Total TPH

Nicholas Straccione Project Manager

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantiation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- * Surrogate recovered outside laboratory control limit.
- **BRL** Below Reporting Limit.
- **RL** Reporting Limit

MDL Method Detection Limit

SDL Sample Detection Limit

LOD Limit of Detection

PQL Practical Quantitation Limit

MQL Method Quantitation Limit

LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
3725 F. Atlanta Ave. Phoenix, AZ 85040	(602) 437-0330	



Project Name: Eumont Tank Battery

Work Orders: 458450,

Sample: 458450-001 / SMP

Project ID: (1RP-1799)

Lab Batch #: 908097

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/01/13 19:18	Su	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	103	99.9	103	70-135	
o-Terphenyl	46.4	50.0	93	70-135	

Lab Batch #: 908097

Sample: 458450-002 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/01/13 19:44	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	109	100	109	70-135	
o-Terphenyl	53.7	50.0	107	70-135	

Lab Batch #: 908097

Sample: 458450-003 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/01/13 20:10	SU	RROGATE RI	ECOVERY S	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	109	99.5	110	70-135	
o-Terphenyl	54.8	49.8	110	70-135	

Lab Batch #: 908097

Sample: 458450-004 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/01/13 20:36	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	50.9	50.1	102	70-135	

Lab Batch #: 908102

Sample: 458450-005 / SMP

Matrix: Soil

Units: mg/kg Date Analyzed: 03/02/13 04:50	Su	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	1,1	,-,	[D]	,,,,,	
1-Chlorooctane	100	99.9	100	70-135	
o-Terphenyl	53.8	50.0	108	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 458450,

Project ID: (1RP-1799)

Lab Batch #: 908102

Sample: 458450-006 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/02/13 05:14	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	97.7	99.7	98	70-135	
o-Terphenyl	52.3	49.9	105	70-135	

Lab Batch #: 908102

Sample: 458450-007 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/02/13 05:38	SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	99.5	99.9	100	70-135	
o-Terphenyl	51.7	50.0	103	70-135	

Lab Batch #: 908102

Sample: 458450-008 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/02/13 06:25	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	94.9	99.7	95	70-135	
o-Terphenyl	50.6	49.9	101	70-135	

Lab Batch #: 908636

Sample: 458450-004 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/08/13 16:12	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0312	0.0300	104	80-120	-
4-Bromofluorobenzene	0.0292	0.0300	97	80-120	

Lab Batch #: 908636

Sample: 458450-006 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/08/13 16:28	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Amarytes					
1,4-Difluorobenzene	0.0280	0.0300	93	80-120	
4-Bromofluorobenzene	0.0294	0.0300	98	80-120	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 458450,

Sample: 458450-008 / SMP

Batch:

Project ID: (1RP-1799)

Lab	Batch	#:	908636
	Unit		mø/kø

Date Analyzed:	03/08/13	16:44	
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Matrix: Soil

Units: mg/kg Date Analyzed: 03/08/13 16:44	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0261	0.0300	87	80-120	
4-Bromofluorobenzene	0.0291	0.0300	97	80-120	

Lab Batch #: 908097

Sample: 634521-1-BLK / BLK

Batch: 1

Units: mg/kg Date Analyzed: 03/01/13 11:17	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	94.8	99.9	95	70-135	

50.7

Lab Batch #: 908102

o-Terphenyl

Sample: 634524-1-BLK / BLK

Batch:

Matrix: Solid

101

50.0

70-135

Units: mg/kg Date Analyzed: 03/02/13 01:36 SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	98.9	99.8	99	70-135	
o-Terphenyl	52.7	40.0	106	70-135	

Lab Batch #: 908636

Sample: 634866-1-BLK / BLK

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/08/13 15:06	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0305	0.0300	102	80-120	
4-Bromofluorobenzene	0.0287	0.0300	96	80-120	

Lab Batch #: 908097

Sample: 634521-1-BKS / BKS

Batch: 1

Matrix: Solid

Units: mg/kg Da	te Analyzed: 03/01/13 10:25	SURROGATE RECOVERY STUDY				
TPH By SW		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane		90.7	99.8	91	70-135	
o-Terphenyl		53.1	49.9	106	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 458450, Lab Batch #: 908102

Sample: 634524-1-BKS / BKS

Batch:

Project ID: (1RP-1799) Matrix: Solid

Units: mg/kg Date Analyzed: 03/02/13 00:47	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.3	99.7	90	70-135	
o-Terphenyl	51.5	49.9	103	70-135	

Lab Batch #: 908636

Sample: 634866-1-BKS / BKS

Batch: 1

Matrix: Solid

Units: mg/kg Date Analyzed: 03/08/13 14:33 SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	[]	[2]	[D]	,,,,,	
1,4-Difluorobenzene	0.0318	0.0300	106	80-120	
4-Bromofluorobenzene	0.0301	0.0300	100	80-120	

Lab Batch #: 908097

Sample: 634521-1-BSD / BSD

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/01/13 10:51	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	92.7	99.7	93	70-135	
o-Terphenyl	53.2	49.9	107	70-135	

Lab Batch #: 908102

Sample: 634524-1-BSD / BSD

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/02/13 01:12	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	94.9	99.9	95	70-135	
o-Terphenyl	55.0	50.0	110	70-135	

Lab Batch #: 908636

Sample: 634866-1-BSD / BSD

Batch: 1

Matrix: Solid

Units: mg/kg	Date Analyzed: 03/08/13 14:49	SU	RROGATE RE	ECOVERY S	STUDY	
ВТЕХ	Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	Amalytes				00.100	
1,4-Difluorobenzene		0.0276	0.0300	92	80-120	
4-Bromofluorobenzene		0.0297	0.0300	99	80-120	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 458450,

Project ID: (1RP-1799)

Lab Batch #: 908097

Sample: 458375-005 S / MS

Batch:

Matrix: Soil

Units: mg/kg Da	te Analyzed: 03/01/13 21:01	SU	RROGATE RE	COVERY S	STUDY	
TPH By SW		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	ytes	93.4	100	93	70-135	
o-Terphenyl		52.4	50.1	105	70-135	
0-Terphenyi		52.4	50.1	105	/0-135	

Lab Batch #: 908102

Sample: 458454-001 S / MS

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/02/13 10:35	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	()	(-)	[D]	,,,,,	
1-Chlorooctane	93.7	99.7	94	70-135	
o-Terphenyl	53.9	49.9	108	70-135	

Lab Batch #: 908636

Sample: 458452-004 S / MS

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/08/13 20:01	SU	RROGATE RI	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0335	0.0300	112	80-120	
4-Bromofluorobenzene	0.0329	0.0300	110	80-120	

Lab Batch #: 908097

Sample: 458375-005 SD / MSD

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/01/13 21:2	27 SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	101	99.9	101	70-135	
o-Terphenyl	55.8	50.0	112	70-135	

Lab Batch #: 908102

Sample: 458454-001 SD / MSD

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/02/13 11:01	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	94.2	99.9	94	70-135	
o-Terphenyl	55.2	50.0	110	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 458450,

Project ID: (1RP-1799)

Lab Batch #: 908636

Sample: 458452-004 SD / MSD

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/08/13 20:17	SU	RROGATE RE	ECOVERY S	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0315	0.0300	105	80-120	
4-Bromofluorobenzene	0.0342	0.0300	114	80-120	

Surrogate Recovery [D] = 100 * A / B

^{*} Surrogate outside of Laboratory QC limits

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



BS / BSD Recoveries



Project Name: Eumont Tank Battery

Work Order #: 458450

Analyst: KEB

Lab Batch ID: 908636

Sample: 634866-1-BKS

Batch #: 1

Project ID: (1RP-1799)

Matrix: Solid

Date Analyzed: 03/08/2013 **Date Prepared:** 03/08/2013

Units: mg/kg		BLAN	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	PIKE / B	LANKS	PIKE DUPL	ICATE R	RECOVE	RY STUD	Y	
BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[6]				
Benzene	<0.00100	0.100	0.0812	81	0.0998	0.0812	81	0	70-130	35	
Toluene	<0.00201	0.100	0.0807	81	0.0998	0.0801	80	1	70-130	35	
Ethylbenzene	<0.00100	0.100	0.0779	78	8660.0	0.0786	42	1	71-129	35	
m_p-Xylenes	<0.00201	0.201	0.151	75	0.200	0.147	74	3	70-135	35	
o-Xylene	<0.00100	0.100	0.0778	78	0.0998	0.0777	78	0	71-133	35	
											1

Analyst: AMB

Lab Batch ID: 908358

Sample: 908358-1-BKS

Date Prepared: 03/06/2013

Batch #: 1

Date Analyzed: 03/06/2013 Matrix: Solid

Units: mg/kg		BLAN	K /BLANK S	PIKE / B	LANKS	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE	ICATE	RECOVE	RECOVERY STUDY	Y	
Inorganic Anions by EPA 300/300.1	Blank Sample Result	Spike Added	Blank Spike	Blank Spike	Spike Added	Blank Spike	Blk. Spk Dup.	RPD	Control	Control	Flag
Analytes	[A]	[B]	Kesult [C]	%K [D]	[E]	Duplicate Result [F]	%K [G]	%	%•K	%RPD	
Chloride	<2.00	50.0	51.7	103	50.0	51.4	103	1	80-120	20	
											1

Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Final 1.000



BS / BSD Recoveries



Project Name: Eumont Tank Battery

Work Order #: 458450

Analyst: KEB

Lab Batch ID: 908097

Sample: 634521-1-BKS

Date Prepared: 03/01/2013

Project ID: (1RP-1799) Date Analyzed: 03/01/2013

Matrix: Solid

Batch #: 1

Units: mg/kg		BLAN	ILANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	PIKE / E	LANKS	PIKE DUPL	ICATE F	RECOVE	RY STUD	Y	
TPH By SW8015 Mod	Blank	Spike	Blank	Blank	Spike	Blank	Blk. Spk		Control	Control	
	Sample Result	Added	Spike	Spike	Added	Spike	Dup.	RPD	Limits	Limits	Flag
	[A]		Result	%R		Duplicate	%R	%	%R	%RPD	
Analytes		[B]	[C]	[<u>D</u>]	Œ	Result [F]	[6]				
C6-C12 Gasoline Range Hydrocarbons	<15.0	866	896	6	266	1010	101	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	866	966	100	266	1040	104	4	70-135	35	

Sample: 634524-1-BKS Lab Batch ID: 908102 Analyst: KEB

Date Prepared: 03/01/2013 Batch #: 1

Date Analyzed: 03/02/2013 Matrix: Solid

Units: mg/kg		BLAN	K /BLANK S	PIKE / E	LANKS	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE	ICATE 1	RECOVE	RECOVERY STUDY	Y	
TPH By SW8015 Mod	Blank Sample Result	Spike Added	Blank Spike	Blank Spike	Spike Added	Blank Spike	Blk. Spk Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	[B]	Result [C]	%R [D]		Duplicate Result [F]	%R [G]	%	%R	%RPD	
C6-C12 Gasoline Range Hydrocarbons	<15.0	266	1010	101	666	966	100	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	266	1040	104	666	1040	104	0	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)| Blank Spike Recovery [D] = 100*(C)/[B] Blank Spike Duplicate Recovery [G] = 100*(F)/[E] All results are based on MDL and Validated for QC Purposes

Final 1.000



Form 3 - MS Recoveries

Project Name: Eumont Tank Battery



Work Order #: 458450

Lab Batch #: 908358

Date Analyzed: 03/06/2013

Project ID: (1RP-1799)

Date Prepared: 03/06/2013

Analyst: AMB

QC- Sample ID: 458450-001 S

Batch #:

Matrix: Soil

Reporting Units: mg/kg	MATE	CIX / MA	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	94.3	250	356	105	80-120	

Lab Batch #: 908358

Date Analyzed: 03/06/2013

Date Prepared: 03/06/2013

Analyst: AMB

QC- Sample ID: 458452-002 S

Batch #:

Matrix: Soil

Reporting Units: mg/kg	MATE	RIX / MA	TRIX SPIKE	RECOV	VERY STU	DY
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	35.7	250	282	99	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference [E] = 200*(C-A)/(C+B)All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries

Project Name: Eumont Tank Battery



Work Order #: 458450

Lab Batch ID: 908636

Date Analyzed: 03/08/2013

Batch #:

Matrix: Soil

Project ID: (1RP-1799)

KEB Analyst: QC- Sample ID: 458452-004 S

Date Prepared: 03/08/2013

Reporting Units: mg/kg		M	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	3 / MAT	RIX SPII	KE DUPLICAT	TE RECO	OVERY S	STUDY		
BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits	Control Limits %RPD	Flag
Benzene	<0.00110	0.110	0.0885	80	0.110	9980.0	79	2	70-130	35	
Toluene	<0.00221	0.110	0.0838	92	0.110	0.0782	71	7	70-130	35	
Ethylbenzene	<0.00110	0.110	0.0864	62	0.110	0.0764	69	12	71-129	35	X
m_p-Xylenes	<0.00221	0.221	0.155	70	0.220	0.140	64	10	70-135	35	X
o-Xylene	<0.00110	0.110	0.0789	72	0.110	0.0738	29	7	71-133	35	X

Lab Batch ID: 908097

Date Analyzed: 03/01/2013

QC-Sample ID: 458375-005 S **Date Prepared:** 03/01/2013

Matrix: Soil KEB Analyst: Batch #:

Reporting Units: mg/kg		M	ATRIX SPIKI	E/MATI	RIX SPII	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	TE REC	OVERY S	TUDY		
TPH By SW8015 Mod	Parent Sample Result	Spike Added	Spiked Sample Result [C]	Spiked Sample %R	Spike Added	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits	Control Limits %RPD	Flag
Allalytes	[4]	[8]		[a]			5				
C6-C12 Gasoline Range Hydrocarbons	<16.4	1100	1090	66	1090	1130	104	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<16.4	1100	1140	104	1090	1180	108	3	70-135	35	
Lab Batch ID: 908102 Q	QC- Sample ID: 458454-001 S	458454-	001 S	Bat	Batch #:	1 Matrix: Soil	: Soil				

Date Analyzed: 03/02/2013 Lab Batch ID: 908102

Reporting Units: mg/kg

Analyst: Batch #: QC-Sample ID: 458454-001 S Date Prepared: 03/01/2013

KEB

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod	Parent Sample		Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]	[C]	%R [D]	Addec [E]	Result [F]	%R [G]	%	%R	%RPD	
C6-C12 Gasoline Range Hydrocarbons	<15.9	1060	1060	100	1060	1070	101	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	45.5	1060	1140	103	1060	1150	104	1	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference RPD = 200*(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit



Percent Moisture

Sample Duplicate Recovery



Project Name: Eumont Tank Battery

Work Order #: 458450

Lab Batch #: 908071

Date Analyzed: 03/01/2013 13:45

Project ID: (1RP-1799)

Date Prepared: 03/01/2013

Analyst: WRU

QC-Sample ID: 458450-001 D

Batch #:

Matrix: Soil

Reporting Units: %	SAMPLE	/ SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			

Spike Relative Difference RPD 200 * | (B-A)/(B+A) | All Results are based on MDL and validated for QC purposes. BRL - Below Reporting Limit

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Odessa, Texas 79765 12600 West I-20 East

Phone: 432-563-1800 Fax: 432-563-1713

YAG 4 TAT brabnate NPDES 3 SUSH TAT (Pre-Schedule) 24, 48, 72 hrs Fotal Dissolved Solids × × × × × × CHLORIDES TRRP M.A.O.N. Project Name: Eumont Tank Battery SCI PO #: Bill Southern Union Gas Custody seals on container(s VOCs Free of Headspace? Temperature Upon Receipt 31EX 8051B/2030 of BTEX 8260 pm@basinenv.com, cyndi.inskeep@sug.com, rose.slade@sug.com Laboratory Comments Project Loc: Lea County, NM X Project #: (1RP-1799) As Ag Ba Cd Cr Pb Hg Se TCLP: TOTAL: Alkalinity) ations (Ca, Mg, Na, K) Report Format: 9001 XT 0 Ime × × × × × × 80158 Soil Soil Soil Soil Soil Soil Soil Soil 128K M-Drinking Water SL-Sludg Date Other (Specify) Preservation & # of Containers Mone Na2S2O3 HOBN PSEH (575) 396-1429 HCI HINO × × × 90 × × Total #. of Containers leld Filtered e-mail: Fax No: 1000 1010 1030 1020 1040 940 950 930 Time Sampled 2/25/2013 2/25/2013 2/25/2013 2/25/2013 2/25/2013 2/25/2013 2/25/2013 2/25/2013 Basin Environmental Service Technologies, LLC Date Sampled Ending Depth 01.0 16:00 15 25 35 30 40 9 Beginning Depth 10 20 Buch 7-37.1 2/25/13 Date Lovington, NM 88260 Hold For BTEX (575)396-2378 P.O. Box 301 Joel Lowry 100 SB-1 @ 25' FIELD CODE SB-1 @ 10' SB-1 @ 15 SB-1 @ 35' SB-1 @ 40' SB-1 @ 20' SB-1 @ 30' SB-1 @ 5' Company Address: Sampler Signature: Project Manager: Company Name Telephone No: City/State/Zip: Special Instructions: Relinquished by inquished by lab use only) (Moly / ORDER#: 20 5 8 80 90 ħ0 Ö (Vino esu dsi) # 8A_



XENCO Laboratories



Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 02/27/2013 10:20:00 AM

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Work Order #:	458450		,	emperature in	casuling de	nice useu .
			Sample Receipt	Checklist		Comments
#1 *Temperatu	re of cooler(s)?				1.5	
#2 *Shipping	container in good	condition?			Yes	
#3 *Samples r	received on ice?				Yes	
#4 *Custody S	Seals intact on ship	ping conta	ainer/ cooler?		Yes	
#5 Custody Se	eals intact on sam	ple bottles	?		Yes	
#6 *Custody S	Seals Signed and o	lated?			Yes	
#7 *Chain of C	Custody present?				Yes	
#8 Sample ins	structions complete	on Chain	of Custody?		Yes	
#9 Any missin	g/extra samples?				No	
#10 Chain of 0	Custody signed wh	en relinqu	ished/ received?		Yes	
#11 Chain of 0	Custody agrees wi	th sample	label(s)?		Yes	
#12 Container	r label(s) legible ar	nd intact?			Yes	
#13 Sample m	natrix/ properties a	gree with	Chain of Custody?		Yes	
#14 Samples	in proper containe	r/ bottle?			Yes	
#15 Samples	properly preserved	1?			Yes	
#16 Sample c	ontainer(s) intact?				Yes	
#17 Sufficient	sample amount for	r indicated	test(s)?		Yes	
#18 All sample	es received within	hold time?	•		Yes	
#19 Subcontra	act of sample(s)?				Yes	
#20 VOC sam	iples have zero he	adspace (l	ess than 1/4 inch bu	ıbble)?	Yes	
#21 <2 for all	samples preserve	d with HNC	03,HCL, H2SO4?		Yes	
#22 >10 for al	I samples preserve	ed with Na	AsO2+NaOH, ZnAc-	+NaOH?	Yes	
' Must be comp	pleted for after-ho	ours deliv	ery of samples prio	or to placing in	the refrigera	ator
Analyst:		PH Device	e/Lot#:			
Ch	ecklist complete	d by:			Date:	
С	hecklist reviewed	l by:			Date:	

Analytical Report 458452

for Southern Union Gas Services- Monahans

Project Manager: Joel Lowry

Eumont Tank Battery

(1RP-1799)

11-MAR-13

Collected By: Client





12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135) Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Lakeland: Florida (E84098)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX) Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





11-MAR-13

Project Manager: Joel Lowry

Southern Union Gas Services- Monahans

801 South Loop 464 Monahans, TX 79756

Reference: XENCO Report No(s): 458452

Eumont Tank Battery

Project Address: Lea County, NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 458452. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 458452 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully.

Nicholas Straccione

Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America



Sample Cross Reference 458452



Southern Union Gas Services- Monahans, Monahans, TX

Eumont Tank Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-2 @ 5'	S	02-25-13 11:00	5 ft	458452-001
SB-2 @ 10'	S	02-25-13 11:10	10 ft	458452-002
SB-2 @ 15'	S	02-25-13 11:20	15 ft	458452-003
SB-2 @ 20'	S	02-25-13 11:30	20 ft	458452-004
SB-2 @ 25'	S	02-25-13 11:40	25 ft	458452-005
SB-2 @ 30'	S	02-25-13 11:50	30 ft	458452-006
SB-2 @ 35'	S	02-25-13 12:00	35 ft	458452-007
SB-2 @ 40'	S	02-25-13 12:10	40 ft	458452-008

CASE NARRATIVE



Client Name: Southern Union Gas Services- Monahans

Project Name: Eumont Tank Battery



Project ID:

(1RP-1799)

Work Order Number(s):

458452

Report Date: 11-MAR-13 Date Received: 02/27/2013

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-908636 BTEX by EPA 8021B

SW8021BM

Batch 908636, Ethylbenzene, m_p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike

Duplicate.

Samples affected are: 458452-006, -008, -004.

The Laboratory Control Sample for Ethylbenzene, m p-Xylenes, o-Xylene is within laboratory Control

Limits



Project Id: (1RP-1799) Contact: Joel Lowry

Certificate of Analysis Summary 458452

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Eumont Tank Battery

Date Received in Lab: Wed Feb-27-13 01:16 pm

Project Location: Les County NM						Report Date:	11-MAR-13		
Tolor poemen per come, the						Project Manager:	Nicholas Straccione		
	Lab Id:	458452-001	458452-002	-002	458452-003	458452-004	458452-005	458452-006	
Analysis Dogwood	Field Id:	SB-2 @ 5'	SB-2 @ 10'	0 10,	SB-2 @ 15'	SB-2 @ 20'	SB-2 @ 25'	SB-2 @ 30'	
naisan katangan	Depth:	5- ft	10- ft	±	15- ft	20- ft	25- ft	30- ft	
	Matrix:	SOIL	SOIL		SOIL	SOIL	SOIL	SOIL	
	Sampled:	Feb-25-13 11:00	Feb-25-13 11:10	11:10	Feb-25-13 11:20	Feb-25-13 11:30	Feb-25-13 11:40	Feb-25-13 11:50	20
BTEX by EPA 8021B	Extracted:					Mar-08-13 13:10		Mar-08-13 13:10	10
	Analyzed:					Mar-08-13 18:22		Mar-08-13 18:39	39
	Units/RL:					mg/kg RL		mg/kg	RL
Benzene						ND 0.00110		ND 0.	0.00106
Toluene						ND 0.00221		ND 0.	0.00212
Ethylbenzene						ND 0.00110		ND 0.	0.00106
m_p-Xylenes						ND 0.00221		ND 0.	0.00212
o-Xylene						ND 0.00110		ND 0.0	0.00106
Total Xylenes						ND 0.00110		ND 0.0	0.00106
Total BTEX						ND 0.00110		ND 0.	0.00106
Inorganic Anions by EPA 300/300.1	Extracted:								
SUB: TX104704215	Analyzed:	Mar-06-13 05:03	Mar-06-13 05:25	05:25	Mar-06-13 05:46	Mar-06-13 06:30	Mar-06-13 06:52	Mar-06-13 07:13	13
	Units/RL:	mg/kg I	RL mg/kg	RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg	RL
Chloride			10.0	10.0	1030 20.0	1770 40.0	1340 20.0	517	10.0
Percent Moisture	Extracted:								
	Analyzed:	Mar-01-13 13:45	Mar-01-13 13:45	13:45	Mar-01-13 13:45	Mar-01-13 13:45	Mar-01-13 13:45	Mar-01-13 13:45	45
	Units/RL:	N %	RL %	RL	% RL	% RL	% RL	%	RL
Percent Moisture		9.71	1.00 12.7	1.00	10.7 1.00	9.52 1.00	8.31 1.00	5.89	1.00
TPH By SW8015 Mod	Extracted:	Mar-04-13 09:30	Mar-01-13 16:00	16:00	Mar-01-13 16:00	Mar-01-13 16:00	Mar-01-13 16:00	Mar-01-13 16:00	00
	Analyzed:	Mar-04-13 16:46	Mar-02-13 07:12	07:12	Mar-02-13 07:36	Mar-02-13 08:00	Mar-02-13 08:25	Mar-02-13 08:50	50
	Units/RL:	mg/kg I	RL mg/kg	RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		157 8	83.0 ND	17.1	ND 16.8	ND 16.5	ND 16.3	QN	15.9
C12-C28 Diesel Range Hydrocarbons		4630 8	83.0 154	17.1	21.8 16.8	27.4 16.5	103 16.3	24.6	15.9
C28-C35 Oil Range Hydrocarbons		456 8	83.0 ND	17.1	ND 16.8	ND 16.5	ND 16.3	ND	15.9
Total TPH		5240 8	83.0 154	17.1	21.8 16.8	27.4 16.5	103 16.3	24.6	15.9

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Final 1.000

Nicholas Straccione

Project Manager



Project Location: Lea County, NM

Project Id: (1RP-1799) Contact: Joel Lowry

Certificate of Analysis Summary 458452

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Eumont Tank Battery

Date Received in Lab: Wed Feb-27-13 01:16 pm

Project Manager: Nicholas Straccione 11-MAR-13 Report Date:

	Lab Id:	458452-007	458452-008	
Analysis Ponnostad	Field Id:	SB-2 @ 35'	SB-2 @ 40'	
maisan vedaesien	Depth:	35- ft	40- ft	
	Matrix:	SOIL	SOIL	
	Sampled:	Feb-25-13 12:00	Feb-25-13 12:10	
BTEX by EPA 8021B	Extracted:		Mar-08-13 13:10	
	Analyzed:		Mar-08-13 18:55	
	Units/RL:		mg/kg RL	
Benzene			ND 0.00103	
Toluene			ND 0.00206	
Ethylbenzene			ND 0.00103	
m_p-Xylenes			ND 0.00206	
o-Xylene			ND 0.00103	
Total Xylenes			ND 0.00103	
Total BTEX			ND 0.00103	
Inorganic Anions by EPA 300/300.1	Extracted:			
SUB: TX104704215	Analyzed:	Mar-06-13 07:35	Mar-06-13 08:40	
	Units/RL:	mg/kg RL	mg/kg RL	
Chloride		211 10.0	109 4.00	
Percent Moisture	Extracted:			
	Analyzed:	Mar-01-13 13:45	Mar-01-13 13:45	
	Units/RL:	% RL	% RL	
Percent Moisture		3.63 1.00	2.92 1.00	
TPH By SW8015 Mod	Extracted:	Mar-01-13 16:00	Mar-01-13 16:00	
	Analyzed:	Mar-02-13 09:16	Mar-02-13 09:42	
	Units/RL:	mg/kg RL	mg/kg RL	
C6-C12 Gasoline Range Hydrocarbons		ND 15.5	ND 15.4	
C12-C28 Diesel Range Hydrocarbons		ND 15.5	ND 15.4	
C28-C35 Oil Range Hydrocarbons		ND 15.5	ND 15.4	
Total TPH		ND 15.5	ND 15.4	

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Mul Ch

Nicholas Straccione Project Manager



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantiation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- **K** Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- * Surrogate recovered outside laboratory control limit.
- BRL Below Reporting Limit.
- **RL** Reporting Limit

MDL Method Detection Limit

SDL Sample Detection Limit

LOD Limit of Detection

PQL Practical Quantitation Limit

MQL Method Quantitation Limit

LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
3725 E. Atlanta Ave, Phoenix, AZ 85040	(602) 437-0330	



Project Name: Eumont Tank Battery

Work Orders: 458452,

Sample: 458452-002 / SMP

Project ID: (1RP-1799)

Lab Batch #: 908102

Matrix: Soil Batch:

Units: mg/kg Date Analyzed: 03/02/13 07:12	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	100	99.5	101	70-135	
o-Terphenyl	54.5	49.8	109	70-135	

Lab Batch #: 908102

Sample: 458452-003 / SMP

Batch: 1

Matrix: Soil

Unite mo/ko

Date Analyzed: 03/02/13 07:36

SURROGATE RECOVERY STUDY

Omits. mg/kg Dutc Mary 2cd. 05/02/15 07.50						
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1-Chlorooctane	97.1	99.8	97	70-135		
o-Terphenyl	51.5	49.9	103	70-135		

Lab Batch #: 908102

Sample: 458452-004 / SMP

Batch:

Matrix: Soil

Units: mg/kg

Date Analyzed: 03/02/13 08:00

SURROGATE	RECOVERY STUDY	
		_

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.9	99.7	95	70-135	
o-Terphenyl	51.2	49.9	103	70-135	

Lab Batch #: 908102

Sample: 458452-005 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg	Date Analyzed: 03/02/13 08:25	SURROGATE RECOVERY STUDY						
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
	Analytes			[D]				
1-Chlorooctane		96.4	99.8	97	70-135			
o-Terphenyl		52.3	49.9	105	70-135			

Lab Batch #: 908102

Sample: 458452-006 / SMP

Batch:

Matrix: Soil

Units: mg/kg

Date Analyzed: 0

03/02/13 08:50	SURROGATE	RECOVERY STUDY

TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.6	100	97	70-135	
o-Terphenyl	52.0	50.0	104	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 458452, Lab Batch #: 908102

Sample: 458452-007 / SMP

Project ID: (1RP-1799)

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/02/13 09:16	SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]	***************************************		
1-Chlorooctane	95.5	99.5	96	70-135		
o-Terphenyl	50.6	49.8	102	70-135		

Lab Batch #: 908102

Sample: 458452-008 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/02/13 09:42 SURROGATE RECOVERY STUDY							
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
Analytes	[]	[2]	[D]	/011			
1-Chlorooctane	96.9	99.9	97	70-135			
o-Terphenyl	50.1	50.0	100	70-135			

Lab Batch #: 908208

Sample: 458452-001 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/04/13 16:46 SURROGATE RECOVERY STUDY						
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1-Chlorooctane	98.7	99.9	99	70-135		
o-Terphenyl	52.5	50.0	105	70-135		

Lab Batch #: 908636

Sample: 458452-004 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/08/13 18:22 SURROGATE RECOVERY STUDY						
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1,4-Difluorobenzene	0.0272	0.0300	91	80-120		
4-Bromofluorobenzene	0.0251	0.0300	84	80-120		

Lab Batch #: 908636

Sample: 458452-006 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/08/13 18:39	SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1,4-Difluorobenzene	0.0254	0.0300	85	80-120		
4-Bromofluorobenzene	0.0270	0.0300	90	80-120		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 458452,

Sample: 458452-008 / SMP

Project ID: (1RP-1799)

Lab Batch #: 908636

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/08/13 18:55	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0286	0.0300	95	80-120	
4-Bromofluorobenzene	0.0288	0.0300	96	80-120	

Lab Batch #: 908102

Sample: 634524-1-BLK / BLK

Batch: 1

Matrix: Solid

Units: mg/kg

Date Analyzed: 03/02/13 01:36

SURROGATE RECOVERY STUDY

TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	98.9	99.8	99	70-135	
o-Terphenyl	52.7	49.9	106	70-135	

Lab Batch #: 908208

Sample: 634569-1-BLK / BLK

Batch:

Matrix: Solid

Units: mg/kg

Date Analyzed: 03/04/13 12:41

SURROGATE	RECOVERY	STUDY

J					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	11	(=)	[D]	,,,,,	
1-Chlorooctane	97.4	99.8	98	70-135	
o-Terphenyl	51.8	49.9	104	70-135	

Lab Batch #: 908636

Sample: 634866-1-BLK / BLK

Batch: 1

Matrix: Solid

Units: mg/kg

Date Analyzed: 03/08/13 15:06

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0305	0.0300	102	80-120	
4-Bromofluorobenzene	0.0287	0.0300	96	80-120	

Lab Batch #: 908102

Sample: 634524-1-BKS / BKS

Batch: 1

Matrix: Solid SURROGATE RECOVERY STUDY

Units: mg/kg

Date Analyzed: 03/02/13 00:47

ones. Ingrag					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	89.3	99.7	90	70-135	
o-Terphenyl	51.5	49.9	103	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 458452,

Sample: 634569-1-BKS / BKS

Batch:

Project ID: (1RP-1799)

Lab Batch #: 908208 Units: mg/kg

Date Analyzed: 03/04/13 11:45

SURROGATE RECOVERY STUDY

Matrix: Solid

Onits. mg/kg Date Analyzed: 05/04/15 11.45					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	98.6	99.7	99	70-135	
o-Terphenyl	54.1	49.9	108	70-135	

Lab Batch #: 908636

Sample: 634866-1-BKS / BKS

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/08/13 14:33	SU.	RROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0318	0.0300	106	80-120	

0.0301

4-Bromofluorobenzene Lab Batch #: 908102

Sample: 634524-1-BSD / BSD

Batch:

Matrix: Solid

100

80-120

0.0300

Units: mg/kg Date Analyzed: 03/02/13	01:12 SU	SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags		
Analytes			[D]				
1-Chlorooctane	94.9	99.9	95	70-135			
o-Terphenyl	55.0	50.0	110	70-135			

Lab Batch #: 908208

Sample: 634569-1-BSD / BSD

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/04/13 12:14	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	93.0	100	93	70-135	
o-Terphenyl	55.0	50.1	110	70-135	

Lab Batch #: 908636

Sample: 634866-1-BSD / BSD

Batch: 1

Matrix: Solid

Units: mg/kg Date Analyzed: 03/08/13 14:49	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes			1-1		
1,4-Difluorobenzene	0.0276	0.0300	92	80-120	180
4-Bromofluorobenzene	0.0297	0.0300	99	80-120	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 458452,

Project ID: (1RP-1799)

Lab Batch #: 908102

Sample: 458454-001 S / MS

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/02/13 10:35	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	93.7	99.7	94	70-135	
o-Terphenyl	53.9	49.9	108	70-135	

Lab Batch #: 908208

Sample: 458454-002 S / MS

Batch:

Matrix: Soil

Units: mg/kg	Date Analyzed: 03/04/13 13:36	SU	RROGATE RI	ECOVERY	STUDY	
ТРН	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes	(-1	(=)	[D]		
1-Chlorooctane		90.8	99.6	91	70-135	
o-Terphenyl		52.9	49.8	106	70-135	

Lab Batch #: 908636

Sample: 458452-004 S / MS

Batch: Matrix: Soil

Units: mg/kg Dat	e Analyzed: 03/08/13 20:01	SU	RROGATE RI	ECOVERY S	STUDY	
BTEX by El	PA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analy	tes			[D]		
1,4-Difluorobenzene		0.0335	0.0300	112	80-120	
4-Bromofluorobenzene		0.0329	0.0300	110	80-120	

Lab Batch #: 908102

Sample: 458454-001 SD / MSD

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/02/13 11:01	SU	RROGATE RI	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	94.2	99.9	94	70-135	
o-Terphenyl	55.2	50.0	110	70-135	

Lab Batch #: 908208

Sample: 458454-002 SD / MSD

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/04/13 14:03	SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	99.6	101	99	70-135	
o-Terphenyl	56.7	50.5	112	70-135	14.

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 458452,

Project ID: (1RP-1799)

Lab Batch #: 908636

Sample: 458452-004 SD / MSD

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/08/13 20:17	SU	RROGATE RI	ECOVERY S	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	701		[D]		
1,4-Difluorobenzene	0.0315	0.0300	105	80-120	
4-Bromofluorobenzene	0.0342	0.0300	114	80-120	

^{*} Surrogate outside of Laboratory QC limits

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution Surrogate Recovery [D] = 100 * A / B



BS / BSD Recoveries



Project Name: Eumont Tank Battery

Work Order #: 458452

Analyst: KEB

Lab Batch ID: 908636

Project ID: (1RP-1799)

Date Analyzed: 03/08/2013

Matrix: Solid

Batch #: Sample: 634866-1-BKS

Date Prepared: 03/08/2013

Flag Limits %RPD Control 35 35 35 35 35 BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY Control 70-130 71-133 Limits %R 70-130 71-129 70-135 RPD % 0 0 Blk. Spk Dup. %R [G] 80 64 74 78 81 Duplicate Result [F] 0.0812 0.0786 Blank Spike 0.0801 0.147 0.0777 Spike Added 0.0998 0.0998 0.0998 0.0998 0.200 9 Blank Spike %R [D] 75 78 81 81 78 Spike Result Blank 0.0812 0.0807 0.0779 0.0778 0.151 [c]Spike Added 0.100 0.100 0.100 0.201 0.100 [B] Sample Result <0.00100 <0.00100 <0.00100 <0.00201 <0.00201 [A] BTEX by EPA 8021B Units: mg/kg Analytes Ethylbenzene m p-Xylenes o-Xylene Benzene Toluene

Sample: 908358-1-BKS Lab Batch ID: 908358 Analyst: AMB

Date Prepared: 03/06/2013 Batch #:

Matrix: Solid

Date Analyzed: 03/06/2013

Units: mg/kg		BLAN	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE	PIKE / B	LANKS	PIKE DUPL	ICATE 1	RECOVE	RECOVERY STUDY	Y	
Inorganic Anions by EPA 300/300.1	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[6]				
Chloride	<2.00	50.0	51.7	103	50.0	51.4	103	1	80-120	20	

Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes Relative Percent Difference RPD = 200*[(C-F)/(C+F)]

Final 1.000



BS / BSD Recoveries



Project Name: Eumont Tank Battery

Work Order #: 458452

Analyst: KEB

Lab Batch ID: 908102

Sample: 634524-1-BKS

Date Prepared: 03/01/2013

Project ID: (1RP-1799) Date Analyzed: 03/02/2013

Matrix: Solid

Batch #: 1

Units: mg/kg		BLAN	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	PIKE / E	LANKS	PIKE DUPI	ICATE]	RECOVE	RY STUD	Y.	
TPH By SW8015 Mod	Blank Sample Result	Spike Added	Blank Spike Result	Blank Spike	Spike Added	Blank Spike Durdicate	Blk. Spk Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	€	[B]	[C]	[0]	3	Result [F]	[6]	0	48	a way	
C6-C12 Gasoline Range Hydrocarbons	<15.0	266	1010	101	666	966	100	-	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	266	1040	104	666	1040	104	0	70-135	35	
Analyst: KEB	Da	ite Prepar	Date Prepared: 03/04/2013	3			Date A	Date Analyzed: 03/04/2013	3/04/2013		

Sample: 634569-1-BKS Lab Batch ID: 908208

Batch #: 1

Matrix: Solid

Units: mg/kg		BLAN	BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE	PIKE / B	LANKS	PIKE DUPL	ICATE	RECOVE	RECOVERY STUDY	Y	
TPH By SW8015 Mod	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD	Control Limits	Control Limits	Flag
Analytes		[B]	[c]	[D]	[E]	Result [F]	[9]				
C6-C12 Gasoline Range Hydrocarbons	<15.0	266	716	86	1000	940	94	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	266	1040	104	1000	186	86	9	70-135	35	

Relative Percent Difference RPD = 200*[(C-F)/(C+F)] Blank Spike Recovery [D] = 100*(C)/[B] Blank Spike Duplicate Recovery [G] = 100*(F)/[E] All results are based on MDL and Validated for QC Purposes

Final 1.000



Form 3 - MS Recoveries



Project Name: Eumont Tank Battery

Work Order #: 458452

Lab Batch #: 908358

Date Analyzed: 03/06/2013

Date Prepared: 03/06/2013

Project ID: (1RP-1799)

Analyst: AMB

QC- Sample ID: 458450-001 S

Batch #:

Matrix: Soil

Reporting Units: mg/kg	MATE	RIX / MA	TRIX SPIKE	RECOV	ERY STU	DY
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	94.3	250	356	105	80-120	

Lab Batch #: 908358

Date Analyzed: 03/06/2013

Date Prepared: 03/06/2013

Analyst: AMB

QC- Sample ID: 458452-002 S

Batch #:

Matrix: Soil

Reporting Units: mg/kg	MATE	RIX / MA	TRIX SPIKE	RECOV	VERY STU	DY
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	35.7	250	282	99	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative Percent Difference [E] = 200*(C-A)/(C+B)All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries



Project Name: Eumont Tank Battery

Work Order #: 458452

Lab Batch ID: 908636

Date Analyzed: 03/08/2013

QC-Sample ID: 458452-004 S

Matrix: Soil Batch #:

Project ID: (1RP-1799)

Date Prepared: 03/08/2013

KEB Analyst:

Flag × × × %RPD Control Limits 35 35 35 35 35 Control Limits %R 70-130 70-130 71-129 70-135 71-133 MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY RPD % 12 10 7 Spiked Dup. %R [G] 64 69 64 29 71 Spiked Sample Duplicate Result [F] 0.0866 0.0782 0.0764 0.140 0.0738 Spike Added 0.110 0.110 0.110 0.220 0.110 9 Sample Spiked %R [D] 64 70 72 80 94 Spiked Sample 0.0885 0.0864 Result 0.0838 0.155 0.0789 Spike Added 0.110 0.110 0.110 0.110 0.221 B <0.00110 <0.00110 <0.00110 Parent Sample Result <0.00221 <0.00221 [A] BTEX by EPA 8021B Analytes Reporting Units: mg/kg Ethylbenzene m p-Xylenes o-Xylene Benzene Toluene

Lab Batch ID: 908102

Date Analyzed: 03/02/2013

Reporting Units: mg/kg

QC-Sample ID: 458454-001 S Date Prepared: 03/01/2013

Matrix: KEB Batch #:

Soil

Analyst:

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Spike Result Samp [C] %R	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD	Control Limits	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<15.9	1060	1060	100	1060	1070	101	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	45.5	1060	1140	103	1060	1150	104	1	70-135	35	

Date Analyzed: 03/04/2013 Lab Batch ID: 908208

QC-Sample ID: 458454-002 S Date Prepared: 03/04/2013

Analyst:

Matrix: Soil

Batch #:

Flag %RPD Control Limits 35 35 Control Limits 70-135 70-135 MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY RPD % 3 3 Spiked Dup. 105 86 Duplicate Spiked Sample Result [F] 1210 1130 Added Spike 1150 1150 Ξ Sample %R [D] Spiked 104 16 Spiked Sample Result 1100 1170 [c]Added Spike 1130 1130 B Parent Sample Result <17.0 <17.0 A TPH By SW8015 Mod C6-C12 Gasoline Range Hydrocarbons C12-C28 Diesel Range Hydrocarbons Analytes Reporting Units: mg/kg

Relative Percent Difference RPD = 200*(C-F)/(C+F)Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Eumont Tank Battery

Work Order #: 458452

Lab Batch #: 908071

QC- Sample ID: 458450-001 D

Date Analyzed: 03/01/2013 13:45

Date Prepared: 03/01/2013

Project ID: (1RP-1799)

Analyst: WRU

Batch #: 1

Matrix: Soil

Reporting Units: %	SAMPLE	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	16.1	16.0	1	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) | All Results are based on MDL and validated for QC purposes. BRL - Below Reporting Limit

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765

Phone: 432-563-1800 Fax: 432-563-1713

Fax:

YAG 4 TAT bashnst2 × □ NPDES \$ 0 RUSH TAT (Pre-Schedule) 24, 48, 72 hrs Fotal Dissolved Solids × × × × × × × CHLORIDES TRRP N.A.O.N. Project Name: Eumont Tank Battery ВСІ PO #: Bill Southern Union Gas ustody seals on container(s) Temperature Upon Receipt. VOCs Free of Headspace? STEX 8021 B/5030 or BTEX 8260 om@basinenv.com, cyndi.inskeep@sug.com, rose.slade@sug.com Laboratory Comments: Analyze Project Loc: Lea County, NM X Standard Project #: (1RP-1799) Netals: As Ag Ba Cd Cr Pb Hg Se TCLP: TOTAL: Inions (Cl, SO4, Alkalinity) Sations (Ca, Mg, Na, K) Report Format: 16:00 9001 XT **3001 XT** :HdJ × × × × × 80158 × 1.814 :Hd. Soil Soil Soil Soil Soil Soil Soil Soil CM 2.2513 Date Preservation & # of Containers Other (Specify) Mone Na₂S₂O₃ HOBN 42SO4 (575) 396-1429 HCI HINO × × × × × × × Total #. of Containers benetti-i blei-Fax No: e-mail: 1210 1100 1110 1120 1130 1140 1150 1200 Time Sampled 2/25/2013 2/25/2013 2/25/2013 2/25/2013 2/25/2013 2/25/2013 2/25/2013 2/25/2013 Basin Environmental Service Technologies, LLC Date Sampled Ending Depth 10:10 Time Time ime 16:00 15 25 35 20 30 8 19 Beginning Depth 5 Allered 2/25/13 Lovington, NM 88260 Hold For BTEX (575)396-2378 P.O. Box 301 Joel Lowry MOL FIELD CODE SB-2 @ 25' SB-2 @ 35' SB-2@15 SB-2 @ 20' SB-2 @ 30' SB-2 @ 40 SB-2 @ 10 SB-2 @ 5' Company Address: Sampler Signature: Project Manager: Company Name Bar. Telephone No: City/State/Zip: secial Instructions: lab use only) ORDER #: 90 B 03 02 ر ر 70 O (Vino esu dsi) # 8A



XENCO Laboratories



Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 02/27/2013 01:16:00 PM

Work Order #: 159152

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

ork Order #:	458452	Ten	ilperature measuring u	evice useu .
		Sample Receipt Cl	necklist	Comments
1 *Temperatu	ure of cooler(s)?		1.5	
#2 *Shipping o	container in good	condition?	Yes	
#3 *Samples r	received on ice?		Yes	
#4 *Custody S	Seals intact on shi	pping container/ cooler?	Yes	
#5 Custody Se	eals intact on sam	ple bottles?	Yes	
#6 *Custody S	Seals Signed and	dated?	Yes	
#7 *Chain of C	Custody present?		Yes	
#8 Sample ins	structions complet	e on Chain of Custody?	Yes	
#9 Any missin	ng/extra samples?		No	
#10 Chain of (Custody signed w	hen relinquished/ received?	Yes	
#11 Chain of (Custody agrees w	ith sample label(s)?	Yes	
#12 Container	r label(s) legible a	nd intact?	Yes	
#13 Sample n	natrix/ properties a	agree with Chain of Custody?	Yes	
#14 Samples	in proper containe	er/ bottle?	Yes	
	properly preserve		Yes	
#16 Sample c	container(s) intact?	?	Yes	
#17 Sufficient	sample amount f	or indicated test(s)?	Yes	
#18 All sample	es received within	hold time?	Yes	
#19 Subcontra	act of sample(s)?		Yes	
#20 VOC sam	ples have zero he	eadspace (less than 1/4 inch bubb	ole)? Yes	
		d with HNO3,HCL, H2SO4?	Yes	
		red with NaAsO2+NaOH, ZnAc+N	aOH? Yes	
	pleted for after-h	ours delivery of samples prior t	o placing in the refrige	erator
Analyst:		PH Device/Lot#:		
Ch	necklist complete	d by:	 Date:	
С	hecklist reviewe	d by:	Date:	

Analytical Report 459358

for Southern Union Gas Services- Monahans

Project Manager: Joel Lowry
Eumont Tank Battery
(1RP-1799)
18-MAR-13

Collected By: Client





12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135) Louisiana (04176), USDA (P330-07-00105)

> Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900) Xenco-Lakeland: Florida (E84098) Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757) Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)





18-MAR-13

Project Manager: Joel Lowry

Southern Union Gas Services- Monahans

801 South Loop 464 Monahans, TX 79756

Reference: XENCO Report No(s): 459358

Eumont Tank Battery

Project Address: Lea County, NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459358. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459358 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully

Nicholas Straccione

Project Manager

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Sample Cross Reference 459358



Southern Union Gas Services- Monahans, Monahans, TX

Eumont Tank Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Main Exc. NW#1	S	03-13-13 08:30		459358-001
Main Exc. NW#2	S	03-13-13 08:40		459358-002
Main Exc. SW#1	S	03-13-13 08:50		459358-003
Main Exc. SW#2	S	03-13-13 09:00		459358-004
Main Exc. SW#3	S	03-13-13 09:10		459358-005
Main Exc. WW#1	S	03-13-13 09:20		459358-006
Main Exc. WW#2	S	03-13-13 09:30		459358-007
Main Exc. EW#1	S	03-13-13 09:40		459358-008
Main Exc. EW#2	S	03-13-13 09:50		459358-009
Main Exc. EW#3	S	03-13-13 10:00		459358-010
NW Exc. WW	S	03-13-13 10:10		459358-011
NW Exc. EW	S	03-13-13 10:20		459358-012
NW Exc. Floor	S	03-13-13 10:30		459358-013

XENCO

CASE NARRATIVE

Client Name: Southern Union Gas Services- Monahans

Project Name: Eumont Tank Battery



Project ID: Work Order Number(s):

(1RP-1799)

459358

Report Date: 18-MAR-13 Date Received: 03/15/2013

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Project Location: Lea County, NM

Project Id: (1RP-1799)
Contact: Joel Lowry

Certificate of Analysis Summary 459358

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Eumont Tank Battery

Project Name: Eumont Ta

Date Received in Lab: Fri Mar-15-13 10:18 am Renort Date: 18-MAR-13

Report Date: 18-MAR-13
Project Manager: Nicholas Straccione

Analysis Requested	Lab Id:	459358-007	459358-008	459358-009	459358-010	459358-011	459358-012
	Field Id:	Main Exc. WW#2	Main Exc. EW#1	Main Exc. EW#2	Main Exc. EW#3	NW Exc. WW	NW Exc. EW
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sa	Sampled:	Mar-13-13 09:30	Mar-13-13 09:40	Mar-13-13 09:50	Mar-13-13 10:00	Mar-13-13 10:10	Mar-13-13 10:20
BTEX by EPA 8021B Ext	Extracted:	Mar-15-13 15:30					
An	Analyzed:	Mar-15-13 17:43	Mar-15-13 18:00	Mar-15-13 18:16	Mar-15-13 18:32	Mar-15-13 18:49	Mar-15-13 19:05
Un	Units/RL:	mg/kg RL					
Benzene		ND 0.00108	ND 0.00107	ND 0.00111	ND 0.00111	ND 0.00108	ND 0.00114
Toluene		ND 0.00215	ND 0.00214	ND 0.00222	ND 0.00222	ND 0.00216	ND 0.00228
Ethylbenzene		ND 0.00108	ND 0.00107	ND 0.00111	ND 0.00111	ND 0.00108	ND 0.00114
m_p-Xylenes		ND 0.00215	ND 0.00214	ND 0.00222	ND 0.00222	ND 0.00216	ND 0.00228
o-Xylene		ND 0.00108	ND 0.00107	ND 0.00111	ND 0.00111	ND 0.00108	ND 0.00114
Total Xylenes		ND 0.00108	ND 0.00107	ND 0.00111	ND 0.00111	ND 0.00108	ND 0.00114
Total BTEX		ND 0.00108	ND 0.00107	ND 0.00111	ND 0.00111	ND 0.00108	ND 0.00114
Inorganic Anions by EPA 300/300.1 Ext	Extracted:	Mar-17-13 10:00					
An	Analyzed:	Mar-17-13 23:39	Mar-18-13 00:00	Mar-18-13 00:22	Mar-18-13 00:44	Mar-18-13 01:27	Mar-18-13 01:49
Un	Units/RL:	mg/kg RL					
Chloride		ND 4.35	59.6 4.32	42.7 11.2	104 11.1	14.1 10.8	62.7 11.5
Percent Moisture Ext	Extracted:						
An	Analyzed:	Mar-15-13 12:05					
Un	Units/RL:	% RL					
Percent Moisture		8.10 1.00	7.41 1.00	10.5 1.00	9.98 1.00	7.71 1.00	13.0 1.00
TPH By SW8015 Mod Ext	Extracted:	Mar-15-13 13:10					
An	Analyzed:	Mar-15-13 20:13	Mar-15-13 20:47	Mar-15-13 21:19	Mar-15-13 21:59	Mar-15-13 23:12	Mar-15-13 23:46
Un	Units/RL:	mg/kg RL					
C6-C12 Gasoline Range Hydrocarbons		ND 16.3	ND 16.2	ND 16.7	ND 16.6	ND 16.2	ND 17.3
C12-C28 Diesel Range Hydrocarbons		ND 16.3	28.1 16.2	25.4 16.7	ND 16.6	24.6 16.2	17.5 17.3
C28-C35 Oil Range Hydrocarbons		ND 16.3	ND 16.2	ND 16.7	ND 16.6	ND 16.2	ND 17.3
Total TPH		ND 16.3	28.1 16.2	25.4 16.7	ND 16.6	24.6 16.2	17.5 17.3

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best; judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Mul Ch

Nicholas Straccione Project Manager



Project Location: Lea County, NM

Project Id: (1RP-1799) Contact: Joel Lowry

Certificate of Analysis Summary 459358

Southern Union Gas Services- Monahans, Monahans, TX

Project Name: Eumont Tank Battery



Date Received in Lab: Fri Mar-15-13 10:18 am

18-MAR-13	Nicholas Straccione
Report Date:	Project Manager:

	Lab Id:	459358-013
	Field Id:	NW Exc. Floor
Analysis Requested	Depth:	
	Matrix:	SOIL
	Sampled:	Mar-13-13 10:30
BTEX by EPA 8021B	Extracted:	Mar-15-13 15:30
	Analyzed:	Mar-15-13 19:22
	Units/RL:	mg/kg RL
Benzene		ND 0.00107
Toluene		ND 0.00214
Ethylbenzene		ND 0.00107
m_p-Xylenes		ND 0.00214
o-Xylene		ND 0.00107
Total Xylenes		ND 0.00107
Total BTEX		ND 0.00107
Inorganic Anions by EPA 300/300.1	Extracted:	Mar-17-13 10:00
	Analyzed:	Mar-18-13 02:10
	Units/RL:	mg/kg RL
Chloride		12.0 10.7
Percent Moisture	Extracted:	
	Analyzed:	Mar-15-13 12:05
	Units/RL:	% RL
Percent Moisture		6.84 1.00
TPH By SW8015 Mod	Extracted:	Mar-15-13 13:10
	Analyzed:	Mar-16-13 00:26
	Units/RL:	mg/kg RL
C6-C12 Gasoline Range Hydrocarbons		ND 16.1
C12-C28 Diesel Range Hydrocarbons		ND 16.1
C28-C35 Oil Range Hydrocarbons		ND 16.1
Total TPH		ND 16.1

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Mul Ch

Nicholas Straccione Project Manager



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantiation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- * Surrogate recovered outside laboratory control limit.
- BRL Below Reporting Limit.
- **RL** Reporting Limit

MDL Method Detection Limit

SDL Sample Detection Limit

LOD Limit of Detection

PQL Practical Quantitation Limit

MQL Method Quantitation Limit

LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
3725 F. Atlanta Ave. Phoenix, AZ 85040	(602) 437-0330	The same of the sa



Project Name: Eumont Tank Battery

Work Orders: 459358, 459358

Sample: 459358-001 / SMP

Batch:

Project ID: (1RP-1799) Matrix: Soil

Lab Batch #: 909159 Units: m

Date	Analyzed:	03/15/13	14:11

Units: mg/kg Date Analyzed: 03/15/13 14:11	SU	RROGATE RI	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	[]	(2)	[D]	,,,,,	
1,4-Difluorobenzene	0.0279	0.0300	93	80-120	
4-Bromofluorobenzene	0.0277	0.0300	92	80-120	

Lab Batch #: 909159

Sample: 459358-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed:	03/15/13 14:27
----------------	----------------

kg	Date Analyzed: 03/15/13 14:27	SU	RROGATE RE	ECOVERY S	STUDY	
ВТЕ	X by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
	Analytes			[D]		
e		0.0347	0.0300	116	80-120	

4-Bromofluorobenzene Lab Batch #: 909159

1,4-Difluorobenzene

Sample: 459358-003 / SMP

Batch:

Matrix: Soil

80-120

0.0300

Units: m

Units: mg/kg Date Analyzed: 03/15/13 14:44	SU	RROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	[]	[2]	[D]	/ / /	
1,4-Difluorobenzene	0.0269	0.0300	90	80-120	
4-Bromofluorobenzene	0.0279	0.0300	93	80-120	

0.0286

Lab Batch #: 909159

Sample: 459358-004 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date An	alyzed: 03/15/13 15:00	SU	RROGATE RE	COVERY	STUDY	
BTEX by EPA 8	8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes				[D]		
1,4-Difluorobenzene		0.0275	0.0300	92	80-120	
4-Bromofluorobenzene		0.0316	0.0300	105	80-120	

Lab Batch #: 909159

Sample: 459358-005 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 15:16	SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1,4-Difluorobenzene	0.0295	0.0300	98	80-120		
4-Bromofluorobenzene	0.0302	0.0300	101	80-120		

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 459358, 459358

Project ID: (1RP-1799)

Lab Batch #: 909178

Sample: 459358-001 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 17:10	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	93.6	100	94	70-135	
o-Terphenyl	47.0	50.0	94	70-135	

Lab Batch #: 909173

Sample: 459358-006 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 17:27 SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	()	[2]	[D]	/ / /	
1,4-Difluorobenzene	0.0294	0.0300	98	80-120	
4-Bromofluorobenzene	0.0269	0.0300	90	80-120	

Lab Batch #: 909178

Sample: 459358-002 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 17:38	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes		,-,	[D]		
1-Chlorooctane	100	99.8	100	70-135	
o-Terphenyl	51.4	49.9	103	70-135	

Lab Batch #: 909173

Sample: 459358-007 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 17:43	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0277	0.0300	92	80-120	
4-Bromofluorobenzene	0.0254	0.0300	85	80-120	

Lab Batch #: 909173

Sample: 459358-008 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg	Date Analyzed: 03/15/13 18:00	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B Analytes		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
	111111 3 100					
1,4-Difluorobenzene		0.0279	0.0300	93	80-120	
4-Bromofluorobenzene		0.0265	0.0300	88	80-120	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 459358, 459358

Project ID: (1RP-1799)

Lab Batch #: 909178

Sample: 459358-003 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 18:08	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes			. ,		
1-Chlorooctane	95.9	99.8	96	70-135	
o-Terphenyl	48.6	49.9	97	70-135	

Lab Batch #: 909173

Sample: 459358-009 / SMP

Matrix: Soil

Unites ma/le

Batch: 1

SURROGATE RECOVERY STUDY

Units: mg/kg Date Analyzed: 03/15/13 18:16	SURROGATE RECOVERT STUDI				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0298	0.0300	99	80-120	
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

Lab Batch #: 909173

Sample: 459358-010 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 18:32	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0249	0.0300	83	80-120	
4-Bromofluorobenzene	0.0247	0.0300	82	80-120	

Lab Batch #: 909178

Sample: 459358-004 / SMP

Batch:

Matrix: Soil

Units: m	ıg/kg
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Date Analyzed: 03/15/13 18:43

SURROGATE RECOVERY STUDY Amount True Control TPH By SW8015 Mod Limits Flags Found Amount Recovery [A] [B] %R %R [D] **Analytes** 94 93.1 99.5 70-135 47.4 49.8 70-135

Lab Batch #: 909173

Sample: 459358-011 / SMP

Batch:

1

0.0300

Matrix: Soil

Units: mg/kg

1,4-Difluorobenzene

4-Bromofluorobenzene

1-Chlorooctane

o-Terphenyl

Date Analyzed: 03/15/13 18:49

SURROGATE RECOVERY STUDY							
Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
0.0272	0.0300	91	80-120				

86

80-120

BTEX by EPA 8021B

Analytes

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

0.0258

^{*} Surrogate outside of Laboratory QC limits

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 459358, 459358

Project ID: (1RP-1799)

Lab Batch #: 909173

Sample: 459358-012 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 19:05	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0345	0.0300	115	80-120	
4-Bromofluorobenzene	0.0323	0.0300	108	80-120	

Lab Batch #: 909178

Sample: 459358-005 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 19:14	Units: mg/kg Date Analyzed: 03/15/13 19:14 SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	95.2	99.8	95	70-135	
o-Terphenyl	49.0	49.9	98	70-135	

Lab Batch #: 909173

Sample: 459358-013 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 19:22	SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1,4-Difluorobenzene	0.0248	0.0300	83	80-120		
4-Bromofluorobenzene	0.0283	0.0300	94	80-120		

Lab Batch #: 909178

Sample: 459358-006 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 19:45	SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1-Chlorooctane	96.6	99.6	97	70-135		
o-Terphenyl	49.1	49.8	99	70-135		

Lab Batch #: 909178

Sample: 459358-007 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 20:13	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	()	(-)	[D]		
1-Chlorooctane	97.8	99.6	98	70-135	
o-Terphenyl	49.3	49.8	99	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 459358, 459358

Project ID: (1RP-1799)

Lab Batch #: 909178

Sample: 459358-008 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 20:47	3 20:47 SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	94.9	99.8	95	70-135	
o-Terphenyl	48.3	49.9	97	70-135	

Lab Batch #: 909178

Sample: 459358-009 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 21:19	SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1-Chlorooctane	93.3	99.6	94	70-135		
o-Terphenyl	47.6	49.8	96	70-135		

Lab Batch #: 909178

Sample: 459358-010 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 21:59	SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1-Chlorooctane	84.5	99.5	85	70-135		
o-Terphenyl	42.8	49.8	86	70-135		

Lab Batch #: 909178

Sample: 459358-011 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 23:12	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	88.6	99.5	89	70-135	
o-Terphenyl	44.7	49.8	90	70-135	

Lab Batch #: 909178

Sample: 459358-012 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 23:46	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.9	100	91	70-135	
o-Terphenyl	46.1	50.1	92	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 459358, 459358

Project ID: (1RP-1799)

Lab Batch #: 909178

Sample: 459358-013 / SMP

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/16/13 00:26	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	89.0	99.7	89	70-135	
o-Terphenyl	45.2	49.9	91	70-135	

Lab Batch #: 909159

Sample: 635213-1-BLK / BLK

Batch: 1

Matrix: Solid

Units: mg/kg Date Analyzed: 03/15/13 11:11	SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1,4-Difluorobenzene	0.0312	0.0300	104	80-120		
4-Bromofluorobenzene	0.0304	0.0300	101	80-120		

Lab Batch #: 909178

Sample: 635224-1-BLK / BLK

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/15/13 16:37	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	96.2	100	96	70-135	
o-Terphenyl	49.7	50.0	99	70-135	

Lab Batch #: 909173

Sample: 635217-1-BLK / BLK

Batch: 1

Matrix: Solid

Units: mg/kg Date Analyzed: 03/15/13 17:11	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes			ι-,		
1,4-Difluorobenzene	0.0328	0.0300	109	80-120	
4-Bromofluorobenzene	0.0270	0.0300	90	80-120	

Lab Batch #: 909159

Sample: 635213-1-BKS / BKS

Batch: 1

Matrix: Solid

Units: mg/kg Date Analyzed: 03/15/13 10:38 SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0347	0.0300	116	80-120	
4-Bromofluorobenzene	0.0269	0.0300	90	80-120	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 459358, 459358

Project ID: (1RP-1799)

Lab Batch #: 909178

Sample: 635224-1-BKS / BKS

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/15/13 15:36	SURROGATE RECOVERY STUDY				
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	102	99.9	102	70-135	
o-Terphenyl	55.0	50.0	110	70-135	

Lab Batch #: 909173

Sample: 635217-1-BKS / BKS

Batch: 1

Matrix: Solid

Units: mg/kg Date Analyzed: 03/15/13 16:38 SURROGATE RECOVERY STUDY						
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes	[]	(~)	[D]	,,,,,,		
1,4-Difluorobenzene	0.0316	0.0300	105	80-120		
4-Bromofluorobenzene	0.0258	0.0300	86	80-120		

Lab Batch #: 909159

Sample: 635213-1-BSD / BSD

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/15/13 10:05	SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1,4-Difluorobenzene	0.0332	0.0300	111	80-120		
4-Bromofluorobenzene	0.0319	0.0300	106	80-120		

Lab Batch #: 909178

Sample: 635224-1-BSD / BSD

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/15/13 16:05 SURROGATE RECOVERY STUDY					
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	91.4	99.9	91	70-135	
o-Terphenyl	51.8	50.0	104	70-135	

Lab Batch #: 909173

Sample: 635217-1-BSD / BSD

Batch: 1

Matrix: Solid

Units: mg/kg Date Analyzed: 03/15/13 16:54	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0314	0.0300	105	80-120	
4-Bromofluorobenzene	0.0328	0.0300	109	80-120	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 459358, 459358

Sample: 459027-018 S / MS

Batch:

Project ID: (1RP-1799)

Lab Batch #: 909159

Matrix: Soil SUPPOCATE RECOVERY STUDY

Units: mg/kg Date Analyzed: 03/15/13 15:33	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0296	0.0300	99	80-120	
4-Bromofluorobenzene	0.0329	0.0300	110	80-120	

Lab Batch #: 909173

Sample: 459358-013 S / MS

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 19:38	Date Analyzed: 03/15/13 19:38 SURROGATE RECOVERY STUDY					
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1,4-Difluorobenzene	0.0312	0.0300	104	80-120		
4-Bromofluorobenzene	0.0324	0.0300	108	80-120		

Lab Batch #: 909178

Sample: 459027-020 S / MS

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/16/13 05:09 SURROGATE RECOVERY STUDY							
TPH I	By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
	Analytes			[D]			
1-Chlorooctane		93.0	99.9	93	70-135		
o-Terphenyl		54.3	50.0	109	70-135		

Lab Batch #: 909159

Sample: 459027-018 SD / MSD

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 15:49 SURROGATE RECOVERY STUDY							
BTEX by I	EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Anal	ytes			[D]			
1,4-Difluorobenzene		0.0345	0.0300	115	80-120		
4-Bromofluorobenzene		0.0314	0.0300	105	80-120		

Lab Batch #: 909173

Sample: 459358-013 SD / MSD

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/15/13 19:55	SURROGATE RECOVERY STUDY				
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0353	0.0300	118	80-120	
4-Bromofluorobenzene	0.0310	0.0300	103	80-120	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Project Name: Eumont Tank Battery

Work Orders: 459358, 459358

Project ID: (1RP-1799)

Lab Batch #: 909178

Sample: 459027-020 SD / MSD

Batch: Matrix: Soil

Units: mg/kg Date Analyzed: 03/16/13 05:43	SU	RROGATE RE	ECOVERY S	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	89.3	100	89	70-135	
o-Terphenyl	52.3	50.1	104	70-135	

Surrogate Recovery [D] = 100 * A / BAll results are based on MDL and validated for QC purposes.

^{*} Surrogate outside of Laboratory QC limits

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



BS / BSD Recoveries



Project Name: Eumont Tank Battery

Work Order #: 459358, 459358

Lab Batch ID: 909159 Analyst: KEB

Sample: 635213-1-BKS

Date Prepared: 03/15/2013

Project ID: (1RP-1799) Date Analyzed: 03/15/2013

Batch #: 1

Matrix: Solid

Units: mg/kg		BLAN	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	PIKE / B	LANKS	PIKE DUPL	ICATE F	RECOVE	RY STUD	Y	
BTEX by EPA 8021B	Blank Sample Result [A]	Spike	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[6]				
Benzene	<0.00100	0.100	0.0835	84	0.100	0.0890	68	9	70-130	35	
Toluene	<0.00200	0.100	0.0854	85	0.100	0.0884	88	3	70-130	35	
Ethylbenzene	<0.00100	0.100	0.0864	86	0.100	0.0957	96	10	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.164	82	0.200	0.184	92	11	70-135	35	
o-Xylene	<0.00100	0.100	0.0890	89	0.100	0.0941	94	9	71-133	35	

Lab Batch ID: 909173 Analyst: KEB

Date Prepared: 03/15/2013

Sample: 635217-1-BKS

Batch #: 1

Date Analyzed: 03/15/2013 Matrix: Solid

Units: mg/kg		BLAN	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	PIKE / B	LANKS	PIKE DUPL	ICATE F	RECOVE	RY STUD	Y	
BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[6]				
Benzene	<0.00100	0.100	0.0815	82	0.100	9060.0	16	11	70-130	35	
Toluene	<0.00200	0.100	0.0801	08	0.100	0.0921	92	14	70-130	35	
Ethylbenzene	<0.00100	0.100	0.0795	08	0.100	0.0890	68	11	71-129	35	
m_p-Xylenes	<0.00200	0.200	0.152	92	0.200	0.170	85	11	70-135	35	
o-Xylene	<0.00100	0.100	0.0771	77	0.100	0.0861	98	11	71-133	35	

Relative Percent Difference RPD = 200*[(C-F)/(C+F)] Blank Spike Recovery [D] = 100*(C)/[B] Blank Spike Duplicate Recovery [G] = 100*(F)/[E] All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: Eumont Tank Battery

Work Order #: 459358, 459358

Analyst: AMB

Project ID: (1RP-1799)

Date Analyzed: 03/17/2013

Flag %RPD Limits BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY Control Limits Matrix: Solid RPD % Blk. Spk Dup. %R [G] Duplicate Result [F] Blank Spike Spike Added Ξ Blank Spike %R [D] Date Prepared: 03/17/2013 Blank Spike Result [C]Batch #: 1 Spike Added [B] Blank Sample Result A Sample: 635216-1-BKS Inorganic Anions by EPA 300/300.1 Lab Batch ID: 909165 Units: mg/kg Analytes

Date Prepared: 03/15/2013 Analyst: KEB

Matrix: Solid

Date Analyzed: 03/15/2013

20

80-120

86

49.1

50.0

16

48.4

50.0

<2.00

Chloride

Batch #: 1 Sample: 635224-1-BKS Lab Batch ID: 909178

Units: mg/kg		BLAN	BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	PIKE / B	LANKS	PIKE DUPL	ICATE 1	RECOVE	RY STUD	Y	
TPH By SW8015 Mod	Blank Sample Result	Spike Added	Blank Spike	Blank Spike	Spike Added	Blank Spike	Blk. Spk Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	[A]	[B]	[C]	(D)	Ξ	Duplicate Result [F]	[G]	0/	%0K	%KrD	
C6-C12 Gasoline Range Hydrocarbons	<15.0	666	953	95	666	931	93	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.0	666	984	86	666	992	66	1	70-135	35	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)| Blank Spike Recovery [D] = 100*(C)/[B] Blank Spike Duplicate Recovery [G] = 100*(F)/[E] All results are based on MDL and Validated for QC Purposes

Final 1.000



Form 3 - MS Recoveries

Project Name: Eumont Tank Battery



Work Order #: 459358

Lab Batch #: 909165

QC- Sample ID: 459358-001 S

Date Analyzed: 03/17/2013

Inorganic Anions by EPA 300

Analytes

Date Prepared: 03/17/2013

Project ID: (1RP-1799) Analyst: AMB

Batch #:

Matrix: Soil

Reporting Units: mg/kg

MATI	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY
Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
<4.17	104	123	118	80-120	

Lab Batch #: 909165

Chloride

Date Analyzed: 03/18/2013

Date Prepared: 03/17/2013

Analyst: AMB

QC- Sample ID: 459358-010 S

Batch #:

Matrix: Soil

Reporting Units: mg/kg	MATI	RIX / MA	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300	Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes	[A]	[B]				
Chloride	104	278	400	106	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference [E] = 200*(C-A)/(C+B)All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries

Project Name: Eumont Tank Battery



Work Order #: 459358

Lab Batch ID: 909159

Date Analyzed: 03/15/2013

QC-Sample ID: 459027-018 S Date Prepared: 03/15/2013

Batch #:

KEB

Analyst:

Matrix: Soil

Project ID: (1RP-1799)

keporting Units: mg/kg		M	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	/MAT	RIX SPIF	KE DUPLICA'	TE RECO	VERY S	STUDY		
BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD	Control Limits	Control Limits %RPD	Flag
Benzene	<0.00104	0.104	0.0818	62	0.104	0.0799	77	2	70-130	35	
Toluene	<0.00207	0.104	0.0814	78	0.104	0.0850	82	4	70-130	35	
Ethylbenzene	<0.00104	0.104	0.0813	78	0.104	0.0838	81	3	71-129	35	
m_p-Xylenes	<0.00207	0.207	0.159	77	0.207	0.160	77	1	70-135	35	
o-Xylene	<0.00104	0.104	0.0824	79	0.104	0.0839	81	2	71-133	35	

Date Analyzed: 03/15/2013 Lab Batch ID: 909173

QC-Sample ID: 459358-013 S Date Prepared: 03/15/2013

Batch #:

Matrix: Soil KEB Analyst:

Reporting Units: mg/kg		M	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	/MAT	XIX SPIK	Œ DUPLICAT	TE RECO	VERY S	STUDY		
BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD	Control Limits	Control Limits %RPD	Flag
Benzene	<0.00107	0.107	0.0925	98	0.107	0.0866	81	7	70-130	35	
Toluene	<0.00213	0.107	0.0871	81	0.107	90800	75	8	70-130	35	
Ethylbenzene	<0.00107	0.107	0.0914	85	0.107	0.0782	73	16	71-129	35	
m_p-Xylenes	<0.00213	0.213	0.170	80	0.215	0.152	71	11	70-135	35	
o-Xylene	<0.00107	0.107	0.0849	79	0.107	0.0764	71	11	71-133	35	

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative Percent Difference RPD = 200*[(C-F)/(C+F)]



Form 3 - MS / MSD Recoveries

Project Name: Eumont Tank Battery

Work Order #: 459358

Lab Batch ID: 909178

Date Analyzed: 03/16/2013

QC- Sample ID: 459027-020 S Date Prepared: 03/15/2013

Batch #:

1 Analyst:

Matrix: Soil KEB

Project ID: (1RP-1799)

Reporting Units: mg/kg		M	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	/ MATI	SIX SPIF	KE DUPLICA	TE REC	OVERY S	STUDY		
TPH By SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Spiked Result Sample [C] %R	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	<16.5	1100	981	68	1100	926	84	9	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<16.5	1100	1140	104	1100	1090	66	4	70-135	35	

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative Percent Difference RPD = 200*(C-F)/(C+F)



Page 22 of 26



Sample Duplicate Recovery



Project Name: Eumont Tank Battery

Work Order #: 459358

Lab Batch #: 909118

QC- Sample ID: 459358-001 D

Date Analyzed: 03/15/2013 12:05 Date Prepared

Project ID: (1RP-1799)

Date Prepared: 03/15/2013 Analyst: WRU

Batch #: 1

Matrix: Soil

SAMPLE / SAMPLE DUPLICATE RECOVERY Reporting Units: % **Percent Moisture** Sample Control Parent Sample Duplicate RPD Limits Result Flag %RPD [A] Result **Analyte** [B] Percent Moisture 4.15 4.00 20

Spike Relative Difference RPD 200 * \mid (B-A)/(B+A) \mid All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765

Phone: 432-563-1800 Fax: 432-563-1713

YAG 4 TAT basbast NPDES Lone Sta RUSH TAT (Pre-Schedule) 24, 48, 72 hrs × × × × × × × × × × ç ZZZZ НОГР Total Dissolved Solids FedEx × × × × × × × × × × СНГОВІВЕЯ TRRP M.A.O.N DHI SCI Project Name: Eumont Tank Battery PO #: Bill Southern Union Gas Labels on container(s) Custody seals on container(s) VOCs Free of Headspace? by Sampler/Client Rep. ? by Courier? UPS Temperature Upon Receipt: × × × × × × × BLEX 8051B/2030 or BLEX 8560 × Sample Containers Intact? Custody seals on cooler(s) Analyze For pm@basinenv.com, cyndi.inskeep@sug.com, rose.slade@sug.com Laboratory Comments: Sample Hand Delivered emivoiatiles Project Loc: Lea County, NM Project #: (1RP-1799) X Standard letals: As Ag Ba Cd Cr Pb Hg Se TCLP: TOTAL SAR / ESP / CEC Inions (CI, SO4, Alkalinity) (A, Mg, Mg, Ka, K) Report Format: 9001 XT 2001 XT :HdJ me Time Time × × × × × × × × 80158 :HdJ **M2108** 1.814 × × soil - MO DW-Drinking Water SL Date Date Date Other (Specify) Preservation & # of Containers Mone Na₂S₂O₃ HOBN PSCH (575) 396-1429 HCI HNO × × × × × × × × × 901 Total #. of Containers ield Filtered Fax No: e-mail: 1000 840 850 900 910 920 930 940 950 830 Time Sampled Received by ELOT: 3/13/2013 3/13/2013 3/13/2013 3/13/2013 3/13/2013 3/13/2013 3/13/2013 3/13/2013 3/13/2013 3/13/2013 Received by Received by: Basin Environmental Service Technologies, LLC Date Sampled Ending Depth Time Time Time 00.6 Beginning Depth 3/14/13 Lovington, NM 88260 Date (525)396-2378 Company Address: P.O. Box 301 Joel Lowry Main Exc. NW#2 Main Exc. WW#2 Main Exc. EW#3 Main Exc. SW#2 Main Exc. SW#3 Main Exc. WW#1 Main Exc. EW#2 Main Exc. SW#1 Main Exc. EW#1 Main Exc. NW#1 FIELD CODE Sampler Signature: Project Manager: Company Name Telephone No: City/State/Zip: Special Instructions Relinquished by quished by Aquished by lab use only ORDER #: LAB # (lab use only)

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765

Phone: 432-563-1800 Fax: 432-563-1713

				NPDES		F	27 hrs	48*	QUOH AL (Pre-Schedule) 24, YAG & TAT brabnat8	×	×	×							z	z	zzz	N N Start	၁့
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Project Name: Eumont Tank Battery			PO #: Bill Southern Union Gas		E	or:	×	09	BTEX 8021B/5030 or BTEX 826	×	×	×							Laboratory Comments: Sample Containers Intact?	VOCs Free of Headspace?	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	Sep. ?	Temperature Upon Receipt:
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t Ta	Project #: (1RP-1799)	Project Loc: Lea County, NM	hern	dard	rose.slade@sug.com	Anal	\vdash	99	Metals: As Ag Ba Cd Cr Pb Hg S				_		+	+	\vdash	-	Laboratory Comments: Sample Containers Intac	f He	s on s on	Sample Hand Delivered by Sampler/Client Rep.	od n
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	Basin Environmental Service Technologies, LLC	-	NM 88260	78	7,4	3															Date 3/14/13	Date	Date
Joel Lowry	Basin Envir	P.O. Box 30	Lovington, NM 88260	(575)396-2378		1			FIELD CODE	NW Exc. WW	NW Exc. EW	NW Exc. Floor											
Project Manager:	Company Name	Company Address: P.O. Box 301	City/State/Zip:	Telephone No:	Sampler Signature:		(A)			WN	NN	WN							structions:		d by.	d by:	d by:
۵	O	O	O	F	S		(lab use only)	ORDER #:	(lab use only)										Special Instructions:		Relinquished by	Relinquished	Relinquished by:



XENCO Laboratories



Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 03/15/2013 10:18:00 AM

Work Order #: 459358

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

		Sample Receipt Checklist	Co	mments
#1 *Temperature of	cooler(s)?		-2.1	
#2 *Shipping contain	ner in good condition?		Yes	
#3 *Samples receive	ed on ice?		Yes	
#4 *Custody Seals i	ntact on shipping conta	ainer/ cooler?	Yes	
#5 Custody Seals in	tact on sample bottles	?	Yes	
#6 *Custody Seals S	Signed and dated?		Yes	
#7 *Chain of Custoo	y present?		Yes	
#8 Sample instruction	ons complete on Chain	of Custody?	Yes	
#9 Any missing/extr	a samples?		No	
#10 Chain of Custoo	dy signed when relinqu	ished/ received?	Yes	
#11 Chain of Custoo	dy agrees with sample	label(s)?	Yes	
#12 Container label	s) legible and intact?		Yes	
#13 Sample matrix/	properties agree with (Chain of Custody?	Yes	
#14 Samples in proj	per container/ bottle?		Yes	
#15 Samples proper	ly preserved?		Yes	
#16 Sample contain	er(s) intact?		Yes	
#17 Sufficient samp	le amount for indicated	test(s)?	Yes	
#18 All samples rec	eived within hold time?		Yes	
#19 Subcontract of	sample(s)?		Yes	
#20 VOC samples h	ave zero headspace (I	ess than 1/4 inch bubble)?	Yes	
#21 <2 for all sampl	es preserved with HNC	03,HCL, H2SO4?	Yes	
#22 >10 for all samp	oles preserved with Na	AsO2+NaOH, ZnAc+NaOH?	Yes	
Must be completed	for after-hours delive	ery of camples prior to placing	n the refrigerator	
			in the reingerator	
Analyst:	PH Device	e/Lot#:		
Checklis	t completed by:		Date:	
Checkl	emperature of cooler(s)? Shipping container in good condition? Samples received on ice? Custody Seals intact on shipping container/ cooler? ustody Seals intact on sample bottles? Custody Seals Signed and dated? Chain of Custody present? ample instructions complete on Chain of Custody? ny missing/extra samples? Chain of Custody signed when relinquished/ received? Chain of Custody agrees with sample label(s)? Container label(s) legible and intact? Sample matrix/ properties agree with Chain of Custody? Samples in proper container/ bottle? Samples properly preserved? Samples properly preserved? Sample container(s) intact? Sufficient sample amount for indicated test(s)? All samples received within hold time? Subcontract of sample(s)? VOC samples have zero headspace (less than 1/4 inch bubble)? <1 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH? At the completed for after-hours delivery of samples prior to place that the complete prior to place that the complete prior to place the complete prior the complete prior to place the complete prior to place the complete prior to plac			
	•		Date:	

Analytical Report 459606

for Southern Union Gas Services- Monahans

Project Manager: Joel Lowry
Eumont Tank Battery
(1RP-1799)
21-MAR-13

Collected By: Client





12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135) Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757) Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





21-MAR-13

Project Manager: Joel Lowry

Southern Union Gas Services- Monahans

801 South Loop 464 Monahans, TX 79756

Reference: XENCO Report No(s): 459606

Eumont Tank Battery

Project Address: Lea County, NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459606. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459606 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully

Nicholas Straccione

Project Manager

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Sample Cross Reference 459606



Southern Union Gas Services- Monahans, Monahans, TX

Eumont Tank Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NW EXC. NW	S	03-18-13 10:10		459606-001

CASE NARRATIVE



Client Name: Southern Union Gas Services- Monahans

Project Name: Eumont Tank Battery



Project ID: Work Order Number(s):

(1RP-1799)

459606

Report Date: 21-MAR-13 Date Received: 03/19/2013

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None



Project Location: Lea County, NM

Project Id: (1RP-1799) Contact: Joel Lowry

Southern Union Gas Services- Monahans, Monahans, TX Certificate of Analysis Summary 459606

Project Name: Eumont Tank Battery



Date Received in Lab: Tue Mar-19-13 08:30 am Report Date: 21-MAR-13

			Summer and for a	and controlled the state of the	
	Lab Id:	459606-001			
Amalusis Ponnostod	Field Id:	NW EXC. NW			
Analysis Medicaleu	Depth:				
	Matrix:	SOIL			
	Sampled:	Mar-18-13 10:10			
BTEX by EPA 8021B	Extracted:	Mar-20-13 16:00			
	Analyzed:	Mar-20-13 21:05			
	Units/RL:	mg/kg RL			
Benzene		ND 0.00105			
Toluene		ND 0.00210			
Ethylbenzene		ND 0.00105			
m_p-Xylenes		ND 0.00210			
o-Xylene		ND 0.00105			
Total Xylenes		ND 0.00105			
Total BTEX		ND 0.00105			
Inorganic Anions by EPA 300/300.1	Extracted:	Mar-20-13 12:00			
100	Analyzed:	Mar-21-13 07:47			
	Units/RL:	mg/kg RL			
Chloride		17.6 2.82			
Percent Moisture	Extracted:				
	Analyzed:	Mar-20-13 17:00			
	Units/RL:	% RL			
Percent Moisture		5.60 1.00			
TPH By SW8015 Mod	Extracted:	Mar-20-13 15:00			
	Analyzed:	Mar-21-13 00:08			*
	Units/RL:	mg/kg RL			
C6-C12 Gasoline Range Hydrocarbons		ND 15.9			
C12-C28 Diesel Range Hydrocarbons		ND 15.9			
C28-C35 Oil Range Hydrocarbons		ND 15.9			
Total TPH		ND 15.9			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories are responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Mul Ch

Nicholas Straccione Project Manager



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantiation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- * Surrogate recovered outside laboratory control limit.
- BRL Below Reporting Limit.
- **RL** Reporting Limit

MDL Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection

PQL Practical Quantitation Limit MQL Method Quantitation Limit LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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Form 2 - Surrogate Recoveries

Project Name: Eumont Tank Battery

Work Orders: 459606,

Project ID: (1RP-1799)

Lab Batch #: 909459

Sample: 459606-001 / SMP

Batch: Matrix: Soil

Units: mg/kg Date Analyzed: 03/20/13 21:05	SU	RROGATE RI	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes	(ι-,	[D]		
1,4-Difluorobenzene	0.0275	0.0300	92	80-120	
4-Bromofluorobenzene	0.0283	0.0300	94	80-120	

Lab Batch #: 909470

Sample: 459606-001 / SMP

Batch: 1

Matrix: Soil

Units: mg/kg Date Analyzed: 03/21/13 00:08	SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	99.3	100	99	70-135	· .
o-Terphenyl	49.4	50.0	99	70-135	

Lab Batch #: 909459

Sample: 635403-1-BLK / BLK

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/20/13 20:49	SU	RROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0249	0.0300	83	80-120	
4-Bromofluorobenzene	0.0276	0.0300	92	80-120	T-art

Lab Batch #: 909470

Sample: 635407-1-BLK / BLK

Batch: 1

Matrix: Solid

Units: mg/kg Date Analyzed: 03/20/13 23:40 TPH By SW8015 Mod Analytes Chlorooctane	SURROGATE RECOVERY STUDY							
	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
· ·								
The state of the s	103	99.9	103	70-135				
o-Terphenyl	51.9	50.0	104	70-135				

Lab Batch #: 909459

Sample: 635403-1-BKS / BKS

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/20/13 20:16	SURROGATE RECOVERY STUDY							
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1,4-Difluorobenzene	0.0344	0.0300	115	80-120				
4-Bromofluorobenzene	0.0325	0.0300	108	80-120				

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Form 2 - Surrogate Recoveries

Project Name: Eumont Tank Battery

Work Orders: 459606,

Project ID: (1RP-1799)

Lab Batch #: 909470

Sample: 635407-1-BKS / BKS

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/20/13 22:44	SURROGATE RECOVERY STUDY						
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags		
Analytes			[D]				
1-Chlorooctane	94.5	99.7	95	70-135			
o-Terphenyl	57.6	49.9	115	70-135			

Lab Batch #: 909459

Sample: 635403-1-BSD / BSD

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/20/13 20:32	SU	RROGATE R	ECOVERY	STUDY	
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0283	0.0300	94	80-120	
4-Bromofluorobenzene	0.0292	0.0300	97	80-120	

Lab Batch #: 909470

Sample: 635407-1-BSD / BSD

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 03/20/13 23:12	SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1-Chlorooctane	100	99.6	100	70-135	
o-Terphenyl	53.5	49.8	107	70-135	

Lab Batch #: 909459

Sample: 459606-001 S / MS

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/20/13 21:54	SU	RROGATE R	ECOVERY	STUDY	95, 2
BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags
Analytes			[D]		
1,4-Difluorobenzene	0.0311	0.0300	104	80-120	
4-Bromofluorobenzene	0.0304	0.0300	101	80-120	46

Lab Batch #: 909470

Sample: 459606-001 S / MS

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/21/13 00:36	SU	RROGATE R	ECOVERY	STUDY	
TPH By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.4	99.6	100	70-135	
o-Terphenyl	55.4	49.8	111	70-135	

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



Form 2 - Surrogate Recoveries

Project Name: Eumont Tank Battery

Work Orders: 459606.

Project ID: (1RP-1799)

Lab Batch #: 909459

Sample: 459606-001 SD / MSD

Batch:

Matrix: Soil

Units: mg/kg Date Analyzed: 03/20/13 22:10	SU	RROGATE RI	ECOVERY S	STUDY	
BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0266	0.0300	89	80-120	
4-Bromofluorobenzene	0.0327	0.0300	109	80-120	

Lab Batch #: 909470

Sample: 459606-001 SD / MSD

Batch: 1

Matrix: Soil

Units: mg/kg	Date Analyzed: 03/21/13 01:04	SU	RROGATE RI	COVERY	STUDY	
ТРН	By SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	Analytes	98.7	99.8	99	70-135	
o-Terphenyl		51.2	49.9	103	70-135	

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

^{*} Surrogate outside of Laboratory QC limits

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution



BS / BSD Recoveries



Project Name: Eumont Tank Battery

Work Order #: 459606

Analyst: KEB

Lab Batch ID: 909459

Date Prepared: 03/20/2013

Project ID: (1RP-1799) **Date Analyzed:** 03/20/2013

Matrix: Solid Batch #: 1 Sample: 635403-1-BKS

BTEX by EPA 8021B			INE D		BLAINN/BLAINN SPINE / BLAINN SPINE DUPLICATE KECUVERY STUDY	CAIE				
[A]	Spike alt Added	Blank Spike Result	Blank Spike %R	Spike	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes	[B]	[C]	[D]	[E]	Result [F]	[<u>G</u>]				
Benzene <0.000992	0.0992	0.106	107	8660.0	0.0841	84	23	70-130	35	
Toluene <0.00198	0.0992	0.102	103	0.0998	0.0831	83	20	70-130	35	
Ethylbenzene <0.000992	0.0992	0.103	104	8660.0	0.0775	78	28	71-129	35	
m_p-Xylenes <0.00198	0.198	0.196	66	0.200	0.148	74	28	70-135	35	
o-Xylene <0.000992	0.0992	0.101	102	8660.0	0.0769	LL	27	71-133	35	

Analyst: AMB

Lab Batch ID: 909477

Date Prepared: 03/20/2013

Batch #: 1

Sample: 635411-1-BKS

Date Analyzed: 03/21/2013 Matrix: Solid

Units: mg/kg		BLAN	SLANK /BLANK SPIKE	-	BLANKS	SPIKE DUPL	DUPLICATE F	RECOVE	RECOVERY STUDY	Y	
Inorganic Anions by EPA 300/300.1	Blank Sample Result	Spike Added	Blank Spike	Blank Spike	Spike Added	Blank Spike	BIK. Spk Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	(t)	[B]	[C]	[D]	[E]	Result [F]	[6]	0/	V0V	/oNFD	
Chloride	<2.00	50.0	8.05	102	50.0	51.9	104	2	80-120	20	

Relative Percent Difference RPD = 200*[(C-F)/(C+F)] Blank Spike Recovery [D] = 100*(C)/[B] Blank Spike Duplicate Recovery [G] = 100*(F)/[E] All results are based on MDL and Validated for QC Purposes



BS / BSD Recoveries



Project Name: Eumont Tank Battery

Work Order #: 459606

Project ID: (1RP-1799) **Date Analyzed:** 03/20/2013

Date Prepared: 03/20/2013	Batch #: 1	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	Blank Blank Spike Blank Blk. Spk Control Control Spike Added Spike Dup. RPD Limits Limits Flag	March Duplicate % % % % % % %	936 94 996 993 100 6 70-135 35	984 99 996 1040 104 6 70-135 35
Dat	S		Blank Sample Result	[A]	<15.0	<15.0
Analyst: KEB	Lab Batch ID: 909470 Sample: 635407-1-BKS	Units: mg/kg	TPH By SW8015 Mod	Analytes	C6-C12 Gasoline Range Hydrocarbons	C12-C28 Diesel Range Hydrocarbons

Relative Percent Difference RPD = 200*[(C-F)/(C+F)] Blank Spike Recovery [D] = 100*(C)/[B] Blank Spike Duplicate Recovery [G] = 100*(F)/[E] All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries

Project Name: Eumont Tank Battery



Work Order #: 459606

Lab Batch #: 909477

Date Prepared: 03/20/2013 Date Analyzed: 03/21/2013

Project ID: (1RP-1799)

Analyst: AMB

QC-Sample ID: 459439-001 S

Batch #:

Matrix: Soil

Reporting Units: mg/kg	MATE	RIX / MA	TRIX SPIKE	RECOV	VERY STU	DY
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	13.6	73.1	76.7	86	80-120	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference [E] = 200*(C-A)/(C+B) All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries

Project Name: Eumont Tank Battery

Work Order #: 459606

Lab Batch ID: 909459

Date Analyzed: 03/20/2013

Batch #:

Matrix: Soil

Project ID: (1RP-1799)

QC-Sample ID: 459606-001 S Date Prepared: 03/20/2013

KEB Analyst: MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY Reporting Units: mg/kg

BTEX by EPA 8021B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.00106	0.106	0.0864	82	0.106	0.0993	94	14	70-130	35	
Toluene	<0.00211	0.106	0.0798	75	0.106	0.0913	98	13	70-130	35	
Ethylbenzene	<0.00106	0.106	0.0758	72	0.106	0.0917	87	19	71-129	35	
m_p-Xylenes	<0.00211	0.211	0.148	70	0.212	0.174	82	16	70-135	35	
o-Xylene	<0.00106	0.106	0.0755	71	0.106	0.0907	98	18	71-133	35	
Lab Batch ID: 909470 QC	QC- Sample ID: 459606-001 S	459606-	001 S	Ba	Batch #:	1 Matrix: Soil	: Soil				

QC-Sample ID: 459606-001 S Date Analyzed: 03/21/2013

Date Prepared: 03/20/2013

Analyst: KEB Batch #:

Reporting Units: mg/kg		M	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	MAT	RIX SPII	KE DUPLICAT	TE RECC	VERY S	STUDY		
TPH By SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]	<u>C</u>	%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
C6-C12 Gasoline Range Hydrocarbons	<15.8	1060	1010	95	1060	1010	95	0	70-135	35	
C12-C28 Diesel Range Hydrocarbons	<15.8	1060	1090	103	1060	1080	102	1	70-135	35	

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference RPD = 200*(C-F)/(C+F)



Sample Duplicate Recovery



Project Name: Eumont Tank Battery

Work Order #: 459606

Lab Batch #: 909467

Project ID: (1RP-1799)

Analyst: WRU
Matrix: Soil

QC- Sample ID: 459439-001 D **Batch #:** 1

Reporting Units: %	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Percent Moisture	8.98	9.20	2	20	

Xenco Laboratories

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765

Phone: 432-563-1713 Fax: 432-563-1713

YAG 4 TAT bashnst Lone Star NPDES o SUSH TAT (Pre-Schedule) 24, 48, 72 hrs 777777 FedEx Total Dissolved Solids СНГОВІВЕЯ TRRP M.A.O. DHL Project Name: Eumont Tank Battery SCI Labels on container(s) Custody seals on container(s) PO #: Bill Southern Union Gas by Sampler/Client Rep. ?
by Courier?
UPS Temperature Upon Receipt: VOCs Free of Headspace? Sample Containers Intact? Custody seals on cooler(s) BLEX 8051B/2030 of BLEX 8560 pm@basinenv.com, cyndi.inskeep@sug.com, rose.slade@sug.com Analyze For Laboratory Comments: Sample Hand Delivered Project Loc: Lea County, NM X Standard Project #: (1RP-1799) Netals: As Ag Ba Cd Cr Pb Hg Se TCLP: TOTAL: SAR / ESP / CEC Anions (Cl, SO4, Alkalinity) Cations (Ca, Mg, Na, K) Report Format: 9001 XT **TX 1005** :Hd. Time Time 8015B M2108 1.814 :Hd. Specify Other Soil GW = Groundwater S=Soil/Solid Date Date Date Preservation & # of Containers Na2S2O3 HOBN PS2H (575) 396-1429 HCI HNO 90 otal #. of Containers ield Filtered Fax No: e-mail: 1010 Time Sampled Received by ELOT: 3/18/2013 Received by Received by: Basin Environmental Service Technologies, LLC Date Sampled Ending Depth ime Time ime Beginning Depth Date Date Lovington, NM 88260 (575)396-2378 Company Address: P.O. Box 301 Joel Lowry NW Exc. NW FIELD CODE Sampler Signature: Project Manager: Company Name Telephone No: City/State/Zip: Special Instructions: Relinquished by: Relinquished by Relinquished by (lab use only) ORDER #: LAB # (lab use only)



XENCO Laboratories



Prelogin/Nonconformance Report- Sample Log-In

Client: Southern Union Gas Services- Monahan

Date/ Time Received: 03/19/2013 08:30:00 AM

Work Order #: 459606

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

	Sample Receipt Checklist	Comments
1 *Temperature of cod	oler(s)?	1.2
2 *Shipping containe	r in good condition?	Yes
3 *Samples received	on ice?	Yes
44 *Custody Seals inta	act on shipping container/ cooler?	Yes
5 Custody Seals inta	ct on sample bottles?	Yes
6 *Custody Seals Sig	ned and dated?	Yes
7 *Chain of Custody	present?	Yes
8 Sample instructions	s complete on Chain of Custody?	Yes
9 Any missing/extra	samples?	No
10 Chain of Custody	signed when relinquished/ received?	Yes
11 Chain of Custody	agrees with sample label(s)?	Yes
12 Container label(s)	legible and intact?	Yes
13 Sample matrix/ pr	operties agree with Chain of Custody?	Yes
14 Samples in prope	r container/ bottle?	Yes
15 Samples properly	preserved?	Yes
16 Sample container	(s) intact?	Yes
17 Sufficient sample	amount for indicated test(s)?	Yes
18 All samples receive	ved within hold time?	Yes
19 Subcontract of sa	mple(s)?	Yes
20 VOC samples have	ve zero headspace (less than 1/4 inch bubble)?	Yes
21 <2 for all samples	preserved with HNO3,HCL, H2SO4?	Yes
22 >10 for all sample	s preserved with NaAsO2+NaOH, ZnAc+NaOH?	Yes
	or after-hours delivery of samples prior to placing	g in the refrigerator
Analyst:	PH Device/Lot#:	
Checklist	completed by:	Date:
Checklist	reviewed by:	Date:

<u>District I</u> 1625 N French Dr , Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S St Francis Dr , Santa Fe, NM 87505

Approval.

Printed Name/Title

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144

June 1, 2004

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tan Type of action Registration of a pit of	k covered by a "general plan"? Yes ⊠ No or below-grade tank ☐ Closure of a pit or below-grade	le tank 🗵
Operator Southern Union Gas Services Telephone 575-	.395-2116 e-mail address_tony s	avoie @sug com
Address P.O Box 1226 Jal, New Mexico 88252	575-2110 c man address tony s	arrole (@sag com
	U/L or Qtr/QtrN	Sec 30 T 20 S R 37E
	2 deg. 32 326 Longitude 103 deg 17.689	NAD 1927 1983 🖂
Surface Owner Federal State Private Indian		
<u>Pit</u>	Below-grade tank	
Type Drilling Production Disposal	Volume: _100_bbl Type of fluidProduced water and crude oil	
Workover Emergency	Construction materialSteel	
Lined Unlined	Double-walled, with leak detection? Yes If not, explain why not	
Liner type Synthetic Thicknessmil Clay	Tank was installed by EPNG before the BGT regulations were written	
Pit Volumebbl		
	Less than 50 feet	(20 points)
Depth to ground water (vertical distance from bottom of pit to seasonal	50 feet or more, but less than 100 feet	(10 points)
high water elevation of ground water) 74 ft	100 feet or more	(0 points)
	Too rect of more	(o points)
Wellhead protection area (Less than 200 feet from a private domestic	Yes	(20 points)
water source, or less than 1000 feet from all other water sources) No	No	(0 points)
	1 - 1 - 200 6 - 1	(20
Distance to surface water (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)
irrigation canals, ditches, and perennial and ephemeral watercourses)	200 feet or more, but less than 1000 feet	(10 points)
1 2 Horizontal miles to Monument Draw	1000 feet or more	(0 points)
	Ranking Score (Total Points)	10 Points
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's	s relationship to other equipment and tanks (2) Indicate	te disposal location (check the onsite box if
your are burying in place) onsite offsite If offsite, name of facility		
remediation start date and end date (4) Groundwater encountered No 🗋 Y		nt and attach sample results
(5) Attach soil sample results and a diagram of sample locations and excavat	tions.	
Additional Comments		
		9.
I hereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guideline	of my knowledge and belief I further certify that the s , a general permit , or an (attached) alternate	e above-described pit or below-grade tank ive OCD-approved plan □.
Date 2/14/08 Thus G		
Date _2/14/08 To Ny Savoie Printed Name/TitleWaste Management and Remediation Specialist	Signature ory	The latest and the la
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the regulations	not relieve the operator of liability-should the contents of the operator of its responsibility for compliance with an	of the pit of tank contaminate ground water or y other federal, state, or local laws and/or
	1 John 300	
Approval.	011	

COHO 806348803

Signature ENVIRONMENTAL ENGINEER

Date 2.15.08 RP#1799